PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

THE FORMER PORTLAND CHEMICAL WORKS SITE
680 NEWFIELD STREET
MIDDLETOWN, CT

HRP #MID-6003.P1

PREPARED FOR: CITY OF MIDDLETOWN
c/o MR. WILLIAM WARNER, AICP
245 DEKOVEN DRIVE
P.O. BOX 1300
MIDDLETOWN, CONNECTICUT 06457-1300

PREPARED BY: HRP ASSOCIATES, INC
167 NEW BRITAIN STREET
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DATE ISSUED: October 10, 2001

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I INTRODUCTION

A Purpose

The purpose of this Phase I Environmental Site Assessment (ESA) is to evaluate the potential for contamination of site soil, ground water and surface water resulting from site operations, use and conditions. This ESA is designed to evaluate site contamination potential for the purposes of real property management in consideration of the Connecticut "Super Lien" (C.G.S. Section 22a-452a) and the Connecticut "Transfer Act" (C.G.S. Section 22a-134 et seq., as amended). This ESA is in general conformance with the scope described in the ASTM document "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (latest revision: E1527-00).

This report is consistent with the form and content recommended for a "Phase I Transfer Act Site Assessment" as described in the Connecticut Department of Environmental Protection (DEP) "Transfer Act Site Assessment Guidance Document" dated November 1991.

B Scope of Services

1. Operations conducted on the property, if any, were recorded upon HRP's inspection of the site with a knowledgeable site contact. As applicable, HRP documented site features that may have currently or historically contributed to site contamination.

2. Geologic and hydrogeologic information at the site and in its vicinity are presented based on field observations and available published data. Ground water and surface water classifications designated for the area by the Connecticut Department of Environmental Protection (DEP) are discussed along with water supply sources.

3. Historical data was reviewed for the site using the following sources, as available: city directories, historical aerial photographs, and Sanborn Fire Insurance Maps.

4. At a minimum, according to ASTM standard practice, State and Federal environmental databases were obtained for the area from a commercial provider, and reviewed for information concerning the site and site vicinity, within the specified search distances.

5. HRP reviewed regulatory file information, as made available by DEP staff, from the following DEP divisions: Bureau of Water Management, Bureau of Waste Management, which includes the Underground Storage Tank Program. Other DEP divisions may have also been queried depending on site-specific conditions.

6. At a minimum, the available records from the following local agencies were reviewed: Assessor's office, Health Department/Sanitarian, Fire Marshal, and Building Department.

C Client

City of Middletown
c/o Mr. William Warner, AICP
245 deKoven Drive
P.O. Box 1300
Middletown, CT 06457-1300

D Background

Site name and address:

The site is located on the east side of Newfield Street near the Cromwell Meadows in Middletown, Connecticut (Figure 1). The subject site consists of two separate parcels sub-divided in circa March 1998 (Figure 2).

Parcel A is located on the western portion of the site and is known as 680 Newfield Street. Two buildings are currently located on this parcel and de-noted Building 1 (western portion of Parcel A) and Building 2 (eastern portion of Parcel A).

Parcel B is located on the eastern portion of the site and is known as Newfield Street (Rear). No buildings are currently located on this parcel.

Parcel A:	680 Newfield Street Middletown, CT 06457
Parcel B:	Newfield Street (Rear) Middletown, CT 06457

Parcel A

Owner name & address:	RJAJ, LLC 66 Thomas Street Middletown, CT 06457
Telephone:	860-344-0342
Date of Ownership:	04/13/2000 (according to municipal records)
Present Land Use:	Mitsubishi truck dealership/repair facility
Proposed Land Use:	Same

Parcel B

Owner name & address:	City of Middletown PO Box 1300 Middletown, CT 06457
Telephone:	860-344-3425 (Department of Planning, Conservation, and Development)
Date of Ownership:	03/25/1998 (according to municipal records)
Present Land Use:	Undeveloped land, former tank farm and railroad spur
Proposed Land Use:	Commercial development by the adjacent Primary Steel property

E Previous Environmental Investigations:

It is noted that both Parcel A and B historically comprised one site known as the former Portland Chemical Works. As such, historical activities conducted on either site prior to 1998, as discussed below, may be construed to pertain to both Parcel A and B. Site features, which are discussed in the following report summaries, are further detailed iin Section II.A.2 and Section IV.

The following previous environmental investigations have been identified for the subject site at this time:

Rizzo Associates, Inc. (Rizzo) letter report dated January 14, 1992

This letter report (included in Appendix D) describes the investigation of "half buried discarded, rotted-out drums and tanks towards the rear of the property." The letter concluded that six to nine deteriorated drums, containing an unidentified white powdery substance, were discarded via access through the adjacent Concord Steel property (Primary Steel). Without accepting liability for these drums, the Mathieu Corporation (subsidiary of Portland Chemical Works, Inc. [PCW]) agreed to sample the drums, over-pack the drums, and cover the discarded drum location with polyethylene.

A follow-up letter dated January 17, 1992 (included in Appendix D) which was submitted to the CT DEP indicated that the drums referred to in the previous letter report were to be characterized prior to over-packing due to safety concerns. A letter dated March 13, 1992 from Rizzo to the CT DEP (included in Appendix D) indicates that Rizzo could not identify the source of the material based on a full TCLP scan. The primary constituents were identified as hydroxide, sodium, carbonate, and iron. Cyanide and pH analysis were also completed to determine if the material was characterized as hazardous. The

substance within the drums was concluded to be non-hazardous and the drums were to be repackaged in DOT-approved drums for storage in the on-site buildings prior to proper disposal. A letter dated 11/20/92 from Rizzo to WEED (included in Appendix D) indicates that the material was identified as disodium phosphate and was transported to an out of state disposal facility on 7/30/92.

Rizzo letter report dated June 23, 1992

A letter report prepared by Rizzo (included in Appendix D) discusses the analytical results for three soil samples collected from the stained area beneath the site's former loading area that was completed in response to Notice of Violation (NOV) No. 426. Soil samples were analyzed via EPA Methods 8010/8020, which detected trace levels of 1,1-DCA, 1,1,1-TCA, toluene, and ethylbenzene, and up to 2,600 parts per billion (ppb) of xylenes.

Woodard & Curran, Inc. (W&C) Phase I Environmental Site Assessment report dated June 1998

This report identified the following nine (9) site features, which are described further in Section II.A.2 and Section IV, as Areas of Concern (AOCs).

W&C Area of Concern	Issue/Concern
1. Above-Ground Tank Farm	Chemical storage and pipe transfer, soil within dike area, dike breached to wetlands
2. Loading Rack	Chemical pipe transfer, including hand hookups, inadequate spill containment
3. Heating Oil Underground Storage Tank (UST)	Potential release to the subsurface
4. Gasoline and Diesel USTs	Potential release to the subsurface
5. Chemical Manhole	Apparently designed to receive spilled chemicals from drum fill building, possible that releases triggered the installation of nearby monitoring wells
6. Three Above-ground Fuel-Oil Storage Tanks	Visual evidence of releases to surface soil
7. Debris Area on North Side of Stream	Presence of petroleum containers, general dump area.
8. Area behind (east of) Building 1	Potential impacts associated with material handling in the vicinity of the warehouse on Parcel A.
9. Area south of Building 2	Potential impacts associated with material handling in the vicinity of Building 2 on Parcel A.

This Phase I Environmental Site Assessment report also outlined a proposal for additional Phase II Subsurface Investigations at the subject site. Woodard & Curran, Inc recommended the collection of "near-surface" soil samples,

October 22, 2002

Mr. William Warner
Director of Planning, Conservation and Development
245 deKoven Drive
PO Box 1300
Middletown, CT 06457-1300

RE: REVIEW OF DRAFT BROWNFIELDS TARGETED SITE ASSESSMENT, TETRA TECH NUS, INC., FORMER PORTLAND CHEMICAL WORKS SITE, MIDDLETOWN, CT (HRP#MID6005.RA)

Dear Mr. Warner:

At your request, HRP Associates, Inc. (HRP) has reviewed the above referenced report for the former Portland Chemical site at 680 Newfield Street in Middletown, CT. This report was prepared by Tetra Tech NUS, Inc. (TtNUS) for the United States Environmental Protection Agency (US EPA) under their Response Action Contract (RAC) for Region 1. The report presents the findings and results of a targeted site assessment for the referenced site as well as recommendations and estimated costs for additional investigations and remedial actions. In addition to the review of the referenced report, HRP also contacted a principal author of the report, Mr. John L. Meyer, LEP, LSP of TtNUS to discuss certain items in further detail. The following presents a summary of HRP's analysis of the report and conclusions regarding the current status of this project.

SCOPE OF WORK

The report presents the results of a significant geophysical investigation and very limited subsurface investigation of the rear portion of the 680 Newfield Street site (Parcel B). TtNUS is careful to characterize the investigation scope as a "...site screening investigation, as the limited scope of the subsurface investigation does not allow a complete determination of the horizontal and vertical extent of contamination...". In addition, the subsurface portion of the investigation was suspended when the drilling equipment struck an apparent drum of chemical waste. The resultant scope of work that was implemented during this investigation was not adequate to evaluate the presence of environmental contamination at the site, or to determine appropriate remedial actions.

GEOPHYSICAL INVESTIGATIONS

The geophysical investigations included a comprehensive electromagnetic induction (EM) metal detector grid survey followed by a targeted ground penetrating radar (GPR) survey performed by Hager-Richter Inc. The EM survey included a large portion of the accessible areas of Parcel B. This survey identified a significant number of geophysical anomalies interpreted to represent potential buried metallic objects. These potential targets were interpreted to represent buried drums, surface metal or miscellaneous debris. The EM anomalies were further investigated using GPR to refine the interpretations of the target source. Certain geophysical anomalies were confirmed to be potential buried drums via the GPR work. Based upon our experience with this site in the past, we believe it is likely that some areas that were not interpreted to contain drums may in fact have drums, especially in the area immediately west of the end of the railroad tracks.

A significant limitation of the geophysical surveys is they did not include Parcel A. The area immediately east of Building 2 (former warehouse) is highly suspect for buried drums and is located immediately adjacent to where buried drums were encountered during the geophysical and subsurface investigations.

SUBSURFACE INVESTIGATION

As stated above, the subsurface investigation was suspended when the drill rig hit an apparent buried drum at the original drilling location for SB1/MW1. This area was then further evaluated using GPR, and a substantial deposit of potential buried drums was identified immediately adjacent to the fence between Parcels A and B. A total of three soil borings/monitoring wells were installed: SB1/MW1, SB3/MW3, and SB5/MW5. Three soil samples, one from each boring, were submitted for laboratory analysis. These soil samples identified potential exceedances of the CTDEP GB PMC for metals, however, the confirmation of these excedances must await reanalysis of these soils via the SPLP method.

Two composite soil samples were collected from the northeastern debris area, SS1 and SS2. These soil samples exhibited potential exceedances of the GB PMC for metals and semi volatile organic compounds. Again, these potential exceedances must be confirmed via SPLP data.

Two sediment samples (SD-01 and SD-02) and two surface water samples (SW-01 and SW-02) were collected from the unnamed stream present onsite. Several exceedances of the GB PMC were identified for the sediment results, however, these criteria do not apply to sediments, and so any analysis of potential remedial requirements will have to be made on a case-by-case basis, likely with input from the CT DEP. The surface water quality results were compared to Surface Water Protection criteria, which are actually ground water standards and do not apply to surface water. A case specific analysis of these results will likely be required to determine the significance of the detected contamination and any remedial requirements, if necessary.

The three newly installed ground water monitoring wells (MW-1, MW-3 and MW-5) were sampled during this investigation. Low to moderate levels of halogenated volatile organic compounds, CT ETPH and some metals were detected. No other onsite wells were sampled. The very limited nature of this sampling event makes it difficult to infer the significance of these detections in the context of site environmental quality. Ground water was determined to flow towards the southeast based on the results from this limited array.

CONCLUSIONS

1. The results of the geophysical investigations provide valuable data regarding the potential locations of additional buried drums.

2. The presence of the buried drum hit by the drilling equipment confirms the presence of additional drums at this location and attests to the care that must be employed during future site activities to avoid worsening site environmental conditions during subsequent investigation and remediation activities.

3. The results of the subsurface investigation presented herein provide only limited data regarding the presence of contamination, and do not serve to define the degree and extent of contamination. As such, these data are insufficient to formulate potential remedial scenarios, evaluate the possible scope of requisite remedial actions or form the basis for quantifying potential remediation costs.

4. Additional investigation is necessary to adequately evaluate the site in the context of the CT DEP's site characterization guidance documents and form a cohesive conceptual site model to analyze site contamination issues and determine appropriate remedial responses.

5. Any further site investigation activities must be coordinated with an appropriate remedial contingency to address any buried chemical waste drums that might be encountered.

6. The identified drums should be removed from the site and properly disposed.

7. Additional investigation of other areas of the site should be performed prior to any drum removal operation to provide as complete a removal as possible in as few steps as possible.

8. The history of the northeastern debris pile should be evaluated to determine its source, contents, remedial responsibility and likely management requirements.

9. Additional investigation activities as specified in HRP's correspondence of October 29, 2001, should be performed to pursue the effective investigation of the site in as efficient manner as possible.

10. Any significant site remediation activities should be coordinated with the future site development plans to optimize the effectiveness of the remedial treatment and control costs to the maximum extent possible.

This brief letter report presents the results of HRP's analysis of the TtNUS report. Please do not hesitate to contact HRP with any questions or comments you may have. Thank you for the opportunity to be of service.

Sincerely,

Howard S. Hurd, CPG, LEP
Associate Vice President

January 18, 2001

MEMO: SUMMARY OF SITE ACTIVITIES
Primary Steel, 680 Newfield Street, Middletown, CT

The onsite remediation activities began on 12/15/00. An initial reconnaissance of the site revealed a number of soil/material piles in and around the work area. These included stony soil with varying amounts of concrete slab, concrete piping, asphalt, crushed stone, brush and logs, wood chips, silt fencing, cable/wire and a utility pole. This material had reportedly come from a CT DOT project on Route 3 and was brought onsite to be used as "clean fill". These soil/material piles were moved to allow access to the work areas.

Next, the drum fill building structure was demolished, and the concrete and metal components segregated into piles. A number of cracks were noted crisscrossing the building floor slab and one floor drain was noted near the eastern edge of the slab. The slab was broken up and removed. The slab was uniformly 4 to 5 inches thick, except in the southeast corner where it was two feet thick. A concrete catch basin top was discovered underneath the slab in this corner. Pea stone was found under the catch basin top. A petroleum/chemical odor was noted when this area was exposed. Water was present under the slab, and had flooded the entire slab area. A petroleum sheen was noted on the water in the area of this catch basin. Two samples were collected from this area. **Sample 001215-001** was collected from the water in the catch basin area. **Sample 001215-002** was collected from the soil/ pea stone directly beneath the catch basin top. These samples were analyzed for TPH and VOCs. In addition, the soil sample was analyzed for total metals and total cyanide. Results for the VOC and TPH analyses in the soil are summarized in Table 1. All laboratory analytical results are attached to this memo.

Additional work on 12/15/00 included excavating a trench in the loading rack area roughly 100 feet east-west by 20 feet north-south and two feet deep. This soil was collected into two piles and left in the trench. A fair amount of asphalt was noted in the excavated soil. **Sample 001215-003** was a confirmatory soil sample collected from the trench bottom near the eastern end, and was analyzed for TPH. A concrete pad, roughly 10 feet by 12 feet by 8 inches thick, was discovered under the former pump box area. This pad extended under a second pad located in the southern trench wall. A strong chemical/solvent odor and dark gray staining were noted on the north and west sides of the pad. Stained soil appeared to extend under the pad as well. **Sample 001215-004** was collected from the stained soil adjacent to the north side of the pad and analyzed for VOCs. **Sample 001215-005** was a composite sample collected from the two soil piles in the loading rack trench, and analyzed for disposal characteristics (see attached Chain of Custody for the parameter list). A summary of the VOC, TPH and SVOC results can be found in Table 2.

Site work continued on 12/18/00. The chemical manhole area was uncovered. The structure appeared to be a 10-foot diameter concrete block "drywell" with solid sides and an open bottom. One inlet pipe was observed, coming from the drum fill building. One

outlet pipe was observed on the east side of the drywell. The sidewall soils were stained black up to the level of the standing water (roughly 4 to 5 feet below ground surface). Two-inch crushed stone was found around and under the drywell structure. Soil was excavated until most of the stained material and stone had been removed. At that point confirmatory soil samples were collected from the four sidewalls and the bottom. **Samples 001218-001 through 001218-005** were analyzed for TPH and VOCs (-001 from the east wall, -002 from the bottom, -003 from the north wall, -004 from the west wall and –005 from the south wall). Sample results can be found in Table 3. The final excavation dimensions were roughly 16 feet north-south by 24 feet east-west, and 5 to 8 feet deep depending on location. Two 3-inch diameter iron pipes were noted in the southern portion of the excavation. These pipes run east-west at approximately 2.5 and 4 feet below grade. There purpose is unknown.

Samples 001218-006 and 001218-007 were water samples collected from the standing water in the loading rack trench and were analyzed for TPH and VOCs to determine if the water could be released/discharged onsite.

Investigation/excavation continued onsite on 1/9/01. **Sample 010109-01** was a field blank sample collected for quality control purposes. **Sample 010109-02** was a composite soil sample collected from the chemical manhole soil stockpile and analyzed for disposal characteristics.

Soil samples were collected from several areas within the drum fill building footing to determine the condition of the soil under the slab. **Sample 010109-03** was collected from the north-central portion of the building footing and analyzed for TPH and VOCs. Excavation in the southwestern corner of the footing area revealed a strong chemical/ solvent odor, but no staining, in the top 2 to 3 feet of soil. The odor decreased with depth and **Sample 010109-04** was collected from 3.5 feet down, on top of the clay layer. **Sample 010109-05** was collected from under a pipe elbow in the floor drain area (there were two elbows up, but only one floor drain visible in the building).

Excavation in the southeast corner of the footing (former catch basin area) showed pea stone down to roughly 4 feet, terminating in the clay layer. An area 13 feet east-west by 6 feet north-south and 4 to 4.5 feet deep was excavated. Excavation continued until all soil with a strong odor or staining had been removed. **Sample 010109-06** was collected from the clay at the bottom of the excavation. **Sample 010109-07** was collected from the north sidewall and **Sample 010109-08** was collected from the west wall. The south and east sidewalls consisted of the concrete building footings, which extended down into the clay, therefore no samples were taken. One additional **Sample 010109-09** was collected from underneath the floor drain pipe near the northern footing wall. These sample results are summarized in Table 1.

An area east of the chemical manhole was excavated to look for the outlet pipe. The pipe was discovered to be approximately 10 to 12 feet long, and end where a 10-inch diameter water main crossed its path. It appears that the outlet pipe was cut off and abandoned when the water main was installed. Excavation continued east of the water main. No

additional clay (outlet) pipe was found, however, an area of buried material was encountered. Material included wooden pallets, metal strapping and a number of what appeared to be polyethylene containers (estimated 20 to 30-gallon capacity, potentially former chemical storage containers). Roughly 20 containers were observed, and all were flattened. It was not immediately apparent whether any of the containers contained product or if they had been buried empty. The trash area was excavated 16 feet wide north-south and trash was still evident in the north side wall. The eastern extent was roughly 25 feet east of the water main (the excavation was continued an additional 20 feet to the east and no trash was found). The excavation was roughly 7 feet deep and there was still trash on the bottom. The water in the pit rose to roughly 4 feet below grade obscuring the sidewalls and bottom. Globs of material were observed floating in the water and leaving an oily sheen. It was decided that the necessary people at ESI, W&C and Primary Steel would be notified of the situation and the area would be re-examined when the appropriate personnel could be present. No samples were collected from this area.

In the meantime, the concrete pad in the loading rack trench, under the former pump, was broken up and removed from the trench. Gray staining and a strong solvent/chemical odor were noted in the soil under the pad. **Sample 010112-01** was collected from under the pad and analyzed for disposal characteristics. A summary of the VOC, TPH and SVOC results are included in Table 2.

The excavator then proceeded to break up and remove the two large concrete pads under the former tank farm. These consisted of roughly 10-inch-thick concrete with rebar. The soil under the eastern pad was inspected and no staining, odor or PID readings (screening for volatile organics) were noted. (Completion of the western pad removal was not observed by W&C).

Once Bruce Devaney from ESI was onsite, re-excavation of the "material debris" area was begun. Once again, flattened polyethylene containers were unearthed. Fiber drums were also excavated and it became apparent that the containers were actually 30-gallon fiber drums with polyethylene liners. Several containers with product were exhumed. ESI collected two types of product from separate containers. Per field chemical kit analysis, these appear to be a low pH metal waste, and a chlorinated solvent waste.

Onsite work was halted and Primary Steel and the Connecticut Department of Environmental Protection (DEP) Oil and Chemical Spills Unit were notified. The Town of Middletown was subsequently notified. Representatives from the DEP, the Town, ESI, W&C and Primary Steel met onsite in the afternoon to discuss the situation and review the alternatives. The Town of Middletown, as the property owners, agreed to accept financial responsibility for the emergency response action.

DEP directed ESI to dewater the excavation, segregate and containerize the excavated containers in overpack drums pending disposal, and to backfill the hole with the remaining soil. DEP personnel recommended that additional soil from the chemical manhole stockpile be used as necessary to supplement the backfill and the area was to be

covered with poly sheeting until additional measures could be taken beginning the following week. These actions were completed by ESI on the evening of January 12 and the site determined to be sufficiently stabilized for the weekend.

sediment samples, and/or ground water samples from existing monitoring wells in order to evaluate the above-described AOCs.

Woodard & Curran Phase II and III Environmental Site Assessment report dated August 1998

Woodard & Curran's Phase II investigation of the subject site consisted of soil and ground water sampling from the AOCs identified in the W&C Phase I. Eighteen soil samples were collected for the Phase II investigation. Four samples were collected during monitoring well installation; Woodard & Curran do not indicate at what depth these samples were collected. Fourteen additional shallow samples were collected from 0.5 to 4.0 feet below grade. Soil samples were analyzed for VOCs via EPA Method 8260, the 8 RCRA metals plus copper and nickel via mass analysis and SPLP, TPH via EPA Method 418.1, and cyanide.

TPH was detected in shallow soil samples collected from AOCs 2, 5, 6 and 7, however only soil from AOC 2 exceeded applicable criteria. VOCs were detected in soil samples collected from AOCs 1, 2, 5, and 6. However only sample 2A collected from AOC 2 had exceedances of either the GB pollution mobility criteria (GB PMC) or both the GB PMC and the industrial/commercial direct exposure criteria (I/C DEC), as in the case for PCE.

The only metal exceeding applicable standards was detected in the one shallow soil sample collected from the chemical manhole (AOC 5). The mass analysis result for chromium exceeded the industrial/commercial direct exposure criteria (I/C DEC) for hexavalent chromium. The chromium SPLP result also exceeded the GB pollution mobility criteria (GB PMC) for total chromium.

Twelve ground water samples were collected from the site's monitoring wells, which included four new wells installed by Woodard & Curran for the Phase II investigation. Ground water samples were analyzed for VOCs via EPA Method 8260, the 8 RCRA metals plus copper and nickel (dissolved methodology), TPH via EPA Method 418.1, and cyanide.

VOCs were detected in seven of the twelve ground water samples. TPH, cyanide, and all analyzed metals, with the exception of barium, were below the respective laboratory detection limits. Detected barium concentrations were below applicable standards. However, it should be noted that the laboratory detection limits for following dissolved parameters were above the applicable Surface Water Protection Criteria (SWPC): arsenic, mercury, silver, copper, and cyanide.

Woodard & Curran concluded that ground water does not require remediation at the site, and that remediation will be targeted at removing contaminated

soil. Of the nine (9) AOCs identified during the Phase I investigation and evaluated during the subsequent Phase II investigation, three (3) were found to have contamination warranting a Phase III investigation. These AOCs were as follows: AOC#2-Loading Rack (formerly south of Building 2 on parcel B); AOC#5-Chemical manhole (formerly south of Building 2 on parcel B); and AOC#6-above-ground fuel oil tanks (formerly located on the northwest corner of Building 2).

The subsequent Phase III investigation involved the installation of fourteen direct-push soil borings to a maximum depth of 8' below grade. Twenty-eight soil samples were analyzed for TPH via EPA Method 418.1. One sample collected from the 4-8' interval in the chemical manhole (AOC 5) was also analyzed for VOCs via EPA Method 8260.

AOC #2 (loading rack) had several exceedances of Connecticut Department of Environmental Protection (CT DEP) Remediation Standard Regulations (RSR) for TPH. The estimated total volume of contaminated soil in this area was 185 cubic yards (approximately 280 tons).

AOC #5 (chemical manhole) was found to have elevated ground water concentrations of chlorinated hydrocarbons and solvents. W&C determined that the concentrations detected would exceed applicable volatilization criteria (VC) only if a building was placed over this area. Further investigations in this area also identified the presence of a leach field approximately six to eight feet below the chemical manhole which extended outward. The leach field was concluded by W&C to be the probable source of VOCs detected in the adjacent ground water during the Phase II investigation. Approximately 120 cubic yards (approximately 180 tons) of contaminated soil was estimated to be located in this area.

AOC #6 (above-ground storage tanks) was identified to have several exceedances of CT DEP RSR direct exposure criteria (DEC) for TPH. Contamination was determined to extend to a depth of up to eight feet below grade. Woodard & Curran estimated that approximately 45 cubic yards (approximately 67 tons) of contaminated material is located in this area.

W&C Draft Remedial Action Plan (RAP) dated August 1998

This RAP prepared for the City of Middletown outlined costs for remediating the following six (6) AOCs identified by W&C: AOC#1-Tank Farm, AOC#2-Loading Dock, AOC#3-Heating Oil UST, AOC#4-Gasoline and Diesel USTs, AOC#5-Chemical Manhole, and AOC#6-Three 275-gallon Above-ground Fuel Oil Tanks. The estimated cost for AOC remediation totaled $102,900. An estimate for post-remedial ground water monitoring totaling $20,000 to $28,000 was also included.

ECAF prepared by W&C, September 1999

An Environmental Condition Assessment Form (ECAF) was prepared by Woodard & Curran (W&C) for the City of Middletown. This report identified nine (9) areas of concern as described in the Phase I report. No ground water contamination is reported in the ECAF.

Site activities were indicated to include the distribution, packaging and warehousing of chemicals primarily utilized by metal plating companies. Bulk chemicals were transported to the site via rail car, stored in above-ground tanks, and then transferred to smaller containers, typically 55-gallon drums, for distribution.

The ECAF indicates that a wide range of chemicals were moved through the site and included chromic acid, sulfuric acid, sulfamic acid, sodium nitrate, copper sulfate, nickel carbonate, and ammonium chloride. Also, fuel oil, diesel, and gasoline were also stored on the subject parcels.

Emergency Response, January 2001

According to information available from the CT DEP OCSRD, on January 12, 2001 several buried fiber drums were unearthed during remedial excavation activities that were designed to remove contaminated soil from the chemical manhole area on Parcel B. The following information summarizes the field activities conducted on Parcel B from January 18, 2001 to January 31, 2001, as documented by HRP personnel. Approximate limits of excavation are shown on Figure 4.

- 1/18/01 – Environmental Services excavated a 5-7' wide trench running north to south. Approximately 4' below grade crushed fiber drums were observed with partial or no labeling. The water which had collected in the 10'x10' excavated area of the chemical manhole was pumped via a vacuum truck.

- 1/19/01 – Excavation continued to remove drums from a maximum of approximately 14' below grade.

- 1/20/01 – Excavated drums were stored in an adjacent box trailer for CT DEP inspection. Soil previously excavated was dewatered, and then temporarily stored in an on-site roll-off trailer. Recovered ground water was stored in an on site frac tank for later removal.

- 1/22/01 – Fencing around the excavation area was installed. Soil samples from the excavated soil were split with the CT DEP and analyzed per the

DEP's schedule. Additional soil, liquid, and drum-content samples were also collected.

- 1/23/01 – The on-site frac tank was pumped out into a tractor-trailer tanker for removal from the site. Samples from the frac tank, worst-case soil samples, and drum-content samples were collected and split with the CT DEP.

- 1/24/01 – Environmental Services excavated and subsequently back-filled a long test pit extending from the northern end of Parcel B adjacent to Building 2 on the previous day while HRP was off-site. No drums were reported in the test-pit trench, however an odor was reported in the soil on the west end of the trench near Building 2. Excavated soil was deposited in roll-off trailers that were stored on-site.

- 1/25/01 – The soil excavated from the chemical manhole was removed to a roll-off trailer. The frac tank was emptied and cleaned. Environmental Services excavation activities ceased.

- 1/31/01 – The box trailers containing the overpack drums of waste material and debris were removed from the site. The 5-7' wide debris trench was determined to be approximately 50' long trending to the north-northeast. The termini of the debris trench were marked off with metal stakes.

As indicated above, water, soil and drum content samples were collected and split with the CT DEP. In order to document the findings of the sampling completed during the emergency clean-up excavation activities, a summary of the analytical results for the samples collected by HRP are included in Table 1 and Table 2. Laboratory reports for the sampling results are included in Appendix B. It should be noted that as of the time of this report, the CT DEP sample results were not available.

II SITE AND AREA OVERVIEW

A Site Information

1. Site location, acreage and adjoining roads (Figure 1) –

Parcel A

The parcel is located in Middletown [Middlesex County], Connecticut, on the United States Geological Survey Middletown 7.5 Minute Quadrangle topographic map. According to the Middletown Tax Assessor's records, Parcel A occupies approximately 2.9 acres. The subject parcel is located on the east side of Newfield Street.

Parcel B

The parcel is located in Middletown [Middlesex County], Connecticut, on the United States Geological Survey Hartford North 7.5 Minute Quadrangle topographic map. According to the Middletown Tax Assessor's records, Parcel B occupies approximately 3.1 acres. The subject site is located adjacent and east of Parcel A.

2. Site buildings, roadways and parking areas (Figure 2) -

Parcel A

Access is available to the parcel from Newfield Street via an asphalt driveway located on the southwestern portion of the site.

Parcel A is currently occupied by Jukonski Mitsubishi Fuso Truck Sales. Parcel is A is occupied by two buildings as follows: Building 1 is an approximately 14,560-square foot (total) building located on the western portion of the site. The far western portion of Building 1 is a two-story brick structure containing a partial concrete basement and was constructed in circa 1920 as a schoolhouse. The remainder of Building 1 is an on-slab steel framed structure that was originally constructed in circa 1960. Based on municipal records, the garage/warehouse addition was demolished and rebuilt in circa 1968-69. Building 1 is currently heated by a waste oil furnace. An asphalt-paved parking area is located on western and southern portions of the site. A packed gravel-paved parking area is located along the northern portion of Building 1 and in between Buildings 1 and 2.

Building 2 is an approximately 8,000-square foot on-slab, steel framed warehouse structure constructed in circa 1964. The site contacts reported that this building is currently unheated and utilized for storage purposes. However, a 275-gallon above-ground fuel oil tank (illustrated as T-5 on Figure 3) associated with an overhead heating unit were observed in the far northern portion of the building. A small room

on the southeastern portion of the building was also observed to contain what is presumed to be an oil-burning furnace.

Parcel B

Access to the site is available from the west via Parcel A.

Parcel B is currently undeveloped semi-wooded land with low-lying swampy areas. The western portion of the parcel is enclosed with a steel fence due to recent contaminated soil removal activities. A railroad spur is located along the southern property boundary and is accessed via a concrete loading ramp structure located on the south central part of Parcel B. No structures are currently located on the site.

However, a former above-ground storage tank farm consisting of ten 10,000-gallon tanks was located on the central portion of the site. The tank farm was connected via piping to a former drum filling building and a former loading rack located adjacent to the railroad spur. The former loading rack is presumed to have been used to pump contents from rail cars to the bulk storage tanks. The single story drum filling building was located west of the tank farm. The former drum filling building is presumed to have been used to pump the contents from the bulk storage tanks to transportable drums for distribution. The concrete foundation to this structure was observed during the site inspection. The drum filling building was subsequently determined to be connected to an underground "chemical manhole" structure located adjacent to the north of the drum filling building. According to previously completed environmental reports, a 20' x 20' leach field surrounded the chemical manhole. In addition, smaller shed-like structures appear to have been located in the vicinity of the drum filling building at the western terminus of the railroad spur. The site contacts were not aware of any specific details regarding these former structures.

B Current Surrounding Use

1. Surrounding land uses –

Parcel A

North: Town & Country Auto Sales

South: Commercial retail/office space and/or residential, then Middletown Toyota Auto Sales and Service

East: Parcel B

West: Newfield Street, then condominiums

Parcel B

North: Primary Steel, Inc.

South: Dainty Rubbish

East: Railroad spur leading to Primary Steel, Inc., then Dainty Rubbish

West: Parcel A

C Water Classification and Environmental Setting

1. The ground water classification of the subject parcels is "GB". A "GB" ground water classification is defined as follows:

   Ground water is within a historically highly urbanized area or an area of intense industrial activity and where public water supply service is typically available. Such ground water may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals or land use impacts.

2. The surface water classification of the Mattabesset River located approximately 0.4 miles east of the site, is "C/B". This designation is defined as follows:

   Due to point or non-point sources of pollution, certain Water Quality Criteria or one or more designated uses assigned to Class "B" waters are not currently met. The water quality goal is achievement of Class "B" Criteria and attainment of Class "B" designated uses. Class "B" surface water is known or presumed to meet Water Quality Criteria which support designated uses, which may include recreational use; fish and wildlife habitat; agricultural and industrial supply and other legitimate uses including navigation.

   In addition, an easterly flowing tributary to the Mattabesset River that is located on the eastern portion of Parcel B (eastern property) is unclassified, and as such, is presumed to be of Class "A" quality. The Class "A" designation is defined as follows:

   Surface water is known or presumed to meet Water Quality Criteria which support designated uses, which may include potential drinking water supply; fish and wildlife habitat; recreational use; agricultural, industrial supply and other legitimate uses, including navigation. The Class "A" designation of the unnamed stream may affect the applicable clean-up criteria associated with remediation of on-site ground water as well as any future redevelopment plans for the site.

3. Wetlands areas –

According to a July 1982 Inlands Wetlands map available at the Middletown Department of Planning, Conservation, and Development, inland wetlands are not mapped on Parcel A. Inland wetlands are mapped on the majority of Parcel B, with the exception of a small portion of the parcel along the western property boundary shared with Parcel A. It should be noted that the low-lying wetlands on the northeastern portion of Parcel B has been partially artificially filled with debris material, presumably by Primary Steel or its predecessor, Concord Steel.

4. Status of site water supply wells –

No on-site water supply wells were reported or observed on the subject parcels at the time of inspection. Middletown Water & Sewer Department records indicate that the subject site was connected to the municipal water supply system in 1951. Prior to the site's connection to the public water supply, the use of an on-site water supply well cannot be ruled out.

5. Published information regarding area water supply wells –

a. According to the 1982 Atlas of Public Water Supply Sources and Drainage Basins of Connecticut, Bulletin No. 4, no public water supply wells are located within 1.0 mile of the subject parcels.

b. According to the 1975 State of Connecticut Water Resources Bulletin No. 30 & 31, Hydrogeologic Data for the Lower Connecticut River Basin, there are no water supply wells located on the subject property. However, the closest mapped well is located approximately 0.6 miles south of the subject in a topographically cross-gradient position and is reported to be utilized for domestic purposes.

c. Aside from review of the above referenced publications, which are dated 1982 and 1975, no evaluation of private or public water supply wells potentially located in the site area has been conducted. Additional water supply wells may be present in the area, which are not listed in the above referenced publications.

D Physiographic, Geologic and Hydrogeologic Setting

1. Site topography –

Parcel A

The elevation of the site ranges from approximately 30 feet (western portion of site) to approximately 25 feet (eastern portion of site) above mean sea level, according to the latest United States Geologic Survey topographic map of the area. The majority of the subject property is generally flat and non-sloping. However, eastern portions of Parcel A slope gently east and/or southeastward towards Parcel B.

Parcel B

The elevation of the site ranges from approximately 25 feet (western portion of site) to approximately 10 feet (east and northeast portions of the site) above mean sea level, according to the latest United States Geologic Survey topographic map of the area. The majority of the subject property is generally flat and non-sloping. However, topographical data indicates a gentle slope downward towards the east and northeast.

2. Surficial Geology -

The 1979 Soil Survey of Middlesex County indicates that the following soil type is located on both of the site parcels:

- Berlin silt loam 0 to 5 percent slopes (BcA) – This unit is described as a nearly level to gently sloping, moderately well drained soil and is indicated to form in silt and clay deposits.

According to the Surficial Material Map of Connecticut, the surficial material at the subject parcels is mapped as fines (f). This deposit is described as well sorted thin layers of alternating silt and clay or thicker layers of very fine sand and silt.

Based on the test boring logs included in the Woodard & Curran Phase II/Phase III report, the surficial material of Parcel B generally consists of 3-8' of red-brown silt with little sand overlying a red-clay layer of undetermined thickness.

3. Bedrock Geology–

According to a map compiled by the Connecticut Geological and Natural History Survey, bedrock at the subject parcels is classified as the Portland Arkose (Jp), which is described as a reddish-brown arkose of Jurassic age.

4. Inferred direction of ground water movement –

Ground water flow is influenced by a variety of pedologic, topographic, hydrologic, geologic, and cultural factors. In unconfined, unconsolidated aquifers (like that presumed to be present at shallow depths beneath the subject site), ground water generally flows in the direction of steepest downhill slope. Based upon regional topography, and the location of surface water bodies, it is likely that shallow ground water beneath Parcel A and the western and northern portions of Parcel B flows to the east or southeast. Shallow ground water beneath the southern portion of Parcel B likely flows to the east or northeast towards the on-site unnamed stream.

III SITE HISTORY

A City directories for Middletown

Meriden-Middletown city directories for the years from 1993 to 2000 and Middletown city directories for the years 1922 to 1992 were available for review at the Connecticut State Library. Various occupants are listed for the subject site (680 Newfield Street) from 1922 to 2000, as follows.

Occupant	Years Listed
Newfield School	1922-1950
Safeway Heat Elements (engs.)	1951-1959
no listing	1960-1961
Philipp Bros. Chemicals, Inc.	1962-1984
Portland Chemical Works	1981-1989
Mathieu Corp.	1987-1989
A.H. Mathieu, Inc.	1992
no listing	1993-2000

It should be noted that Hartford city directories were not available at the Connecticut State Library for the following years: 1944, 1972, 1974, 1976, 1980, 1982, 1983, 1985, 1986, 1990, and 1991

B Sanborn Fire Insurance Company Maps

No Sanborn Fire Insurance maps were identified for the subject property or surrounding area according to EDR Sanborn.

C Aerial Photographs Reconnaissance

Flight Year 1934; Scale 1"=1166'; Photo #9229

Parcel A is developed with the western portion of Building 1. This building is presumably the Newfield School identified in the Middletown city directories. A packed-gravel driveway extends from the northeastern corner of the property off Newfield Street to along the northern and eastern portions of the school.

Parcel B consists of vacant fields. Railroad tracks run adjacent to Parcel B's eastern boundary.

Flight Year 1951; Scale 1"=1666'; Photo #CNF-1H-59

Parcel A is further developed with the eastern addition to the original schoolhouse building. An asphalt-paved parking area with approximately 10 automobiles is located to the south of this building (Building 1). The remainder of Parcel A consists of vacant fields, with the exception of a packed-gravel area to the northeast of Building 1.

Parcel B consists of vacant fields on its western portion. The eastern portion of Parcel B has been overgrown with woodlands.

Flight Year 1965; Scale 1"=1500'; Photo #24-2638

A loading dock has been constructed on the eastern portion of Building 1. The eastern portion of Parcel A is developed with a warehouse building (Building 2). A fence has been constructed along the southern boundary of Parcel A. A dark stain is located on the southeast corner Building 2's roof, presumably from the accumulation of exhaust discharge from a roof-mounted vent for the equipment observed in that portion of the building during the site inspection.

The railroad spur has been constructed adjacent to the south of Parcel B. One train car is located on the railroad spur adjacent to a small structure presumed to be a loading ramp to the south of the railroad spur. A small shed building is located on-site to the west of the western terminus of the railroad spur. Another small structure, presumably a loading rack used to unload the contents of railroad tank-cars to the tank farm, is located adjacent to north of the western terminus of the railroad spur. The tank farm, which consists of ten bulk-storage tanks, is located to the northeast of the loading rack on the central portion of Parcel B. Ten above-ground pipelines extend for a short length to the south of the tank farm. The pipelines turn abruptly to the west towards a small building (drum-filling building) on the southwestern portion of Parcel B.

Exterior drum storage areas are observed at the following locations: approximately 5-10 drums located adjacent to the southeastern corner of Building 1; and approximately 40-50 drums in an area that extends approximately 100-feet north of the drum-filling building.

In addition, approximately 10,000-square feet of debris and/or drum storage area spanning across both Parcel A and Parcel B is located along southern boundary of the property.

Flight Year 1970; Scale 1"=1000'; Photo #28-2971

Parcel A appears similar to its depiction on the 1965 air photo, with the exception that several tractor-trailers are parked on the pack-gravel paved area located on the southwestern portion of Parcel A.

Parcel B appears similar to its depiction on the 1965 air photo, with the exception that a railroad tank-car is located at the western terminus of the railroad spur. Also the debris area previously noted on the southern portion of the Parcels has been removed.

In addition to the drum storage depicted on the 1965 air photo, the following drum storage areas are also located on the subject site: approximately 20-25 drums adjacent to the west-central portion of Building 2; approximately 30-35 drums surrounding a tractor-trailer on the southwestern corner of Parcel B; approximately 20-25 drums adjacent to the west of the drum filling building; and approximately 5-10 drums adjacent to the southeast of the drum-filling building.

Flight Year 1975; Scale 1"=1000'; Photo #28-1057

The 1975 air photo is similar to the 1970 air photo with the following exceptions. A darkly stained area of approximately 3000-square feet extends off the eastern portion of Building 2. Exterior drum storage areas consisting of approximately 40-50 drums each are located along the loading dock area of Building 2 and in the area adjacent to the east of Building 2. An additional drum storage area on Parcel B, which consists of approximately 20-30 drums, is located along the southern boundary approximately 75-feet southeast of the drum filling building.

Flight Year 1980; Scale 1"=1000'; Photo #47-0908

The 1980 air photo is similar to the 1975 air photo with the following exceptions. Most of the drums which were previously located on the exterior of the site have been removed, with the exception of 10-20 drums located to the north of the drum filling building and approximately 20-30 drums located to the west of Building 2. An additional small shed has been constructed to the south of the railroad spur on Parcel B. The darkly stained area identified on the 1975 air photo is also shown on the 1980 air photo.

Flight Year 1986; Scale 1"=1000'; Photo #47-3250

The 1986 air photo is similar to the 1980 air photo with the following exceptions. The area to the east of Building 2 previously identified as a darkly stained area is not stained on the 1986 air photo. Exterior drum and unidentified material storage on Parcel A is located adjacent to the south of Building 1 and adjacent to the west of Building 2. Drum storage on Parcel B consists of 5-10 drums located to the west of the drum-filling building.

Flight Year 1990; Scale 1"=1000'; Photo #47-3356

The 1990 air photo is similar to the 1985 air photo with the following exceptions. The drum storage area formerly located to the west of Building 2 has been removed. Two small dark stained areas approximately 300-square feet each are located adjacent to the southwest of Building 2 and adjacent to the west of the drum filling building.

Flight Year 1995; Scale 1"=1000'; Photo #45-50

The 1995 air photo is similar to the 1990 air photo with the exception that the aboveground pipelines leading from the bulk-storage tanks in the tank farm to the drum-filling building have been removed.

D Other Sources of Information

The Middletown Department of Planning, Conservation, and Development provided a copy of the developer's kit prepared for the subject site, which provided land use information prior to 1922, as discussed in Section V.C.

E Summary of Site History

According to the available information, the site was the historical location of the Middletown Newfield School. The original schoolhouse building was constructed in circa 1839 and was subsequently replaced in circa 1920 with the brick-faced structure which currently serves as the western portion of Building 1. The site's industrial operations started in circa 1950 when the site was occupied by Safeway Heat Elements. Philipp Bros. Chemicals, Inc. occupied the site from circa 1962 to 1984, during which time it constructed Building 2 and the eastern addition to Building 1 in circa 1960. Philipp Bros. Chemicals also developed Parcel B for its chemical distribution operation by constructing the railroad spur, the tank farm, and the drum-filling building. The site was subsequently occupied by several chemical distributors, including the Portland Chemical Works, until circa 1992.

In circa 1998 the site was taken over by the City of Middletown in order to redevelop the unoccupied property. Parcel A was subsequently sold to RJAJ, LLC, and that portion of the site is now occupied by a commercial truck sales and repair operation. The tank farm, the drum-filling building, and several other sheds, which formerly occupied Parcel B, have recently been demolished as part of redevelopment plans for the site.

IV SITE FEATURES

A Site Utilities

1. Source of Heat: Building 1 on Parcel A is heated by a waste oil furnace. Building 2 on Parcel A was reported to be unheated, but a 275-gallon above-ground fuel oil tank (illustrated as T-5 on Figure 3) associated with an overhead heater was observed in the northern portion of this building. The Tax Assessor's field card for the property indicates that Building 2 has "unit heat".

   Parcel B is currently vacant and therefore, unheated. The site contacts reported that the structures that were historically located on Parcel B were unheated.

2. Gas: Neither Parcel A nor Parcel B was reported to be connected to natural gas. However, gas service provided by Connecticut Natural Gas (CNG) is reported to be available in the vicinity of the subject parcels.

3. Water: The Middletown Engineering Department indicates that public water service was connected to the subject property (Parcels A and B) on May 9, 1951. Public water is provided by the City of Middletown.

4. Sewer: Sanitary sewer service was connected to Parcel A on December 2, 1999, prior to which Parcel A was reported to have been connected to an on-site septic system. Parcel B was reported to be unconnected to sanitary sewer service.

B Electrical, hydraulic, and other potentially PCB containing equipment

This Phase I ESA is not an inventory of polychlorinated biphenyl (PCB) containing equipment and is not designed or intended for such use. PCBs are commonly encountered in older electrical equipment such as transformers, capacitors and fluorescent light ballasts as well as in various hydraulic oils such as those used in elevators and lifts. The HRP site inspector may have observed such equipment during the site inspection and if so has noted it below. However, as a complete inspection of these types of equipment is beyond the scope of this investigation, the reader should not infer the lack of information below as an indication of the absence of such equipment on the property. Where such equipment has been observed, no verification of the possible PCB content of dielectric or hydraulic fluids has been made.

One transformer currently not in use was observed in the small room on the southeast portion of the Building 2.

C Site Drainage

1. Building interior drainage –

Parcel A

A trench drain located in the service area of Building 1 was observed at the time of inspection. The trench drain was reported to discharge to an aboveground oil/water separator (depicted as T-2 on Figure 3) and then to the sanitary sewer. However, information available from the Middletown Sewer & Water Department does not indicate that an oil/water separator is connected to the sanitary sewer. The discharge for the oil/water separator to the unnamed stream and wetlands located down-gradient to the east on Parcel B cannot be ruled out.

Two small floor drains and associated clean-outs were reported and observed in the basement level of the western portion (former schoolhouse) of Building 1. The site contacts were unaware of the discharge location of these units. These drains presumably discharge to the sanitary sewer, which was connected to the former schoolhouse portion of Building 1 in December 1999. The discharge of these drains prior to December 1999 is unknown, however discharge to the unnamed stream and wetlands located down-gradient to the east on Parcel B cannot be ruled out.

A letter dated 9/18/90 on file at the CT DEP from Hamden Mathieu Chemical, the site owner/occupant at that time, indicates that the discharge locations for the drains in the garage and warehouse building (labeled as Building 2 on Figures 2, 3, and 5) discharge to the area adjacent to the east of the former tank farm, presumably to the unnamed stream on Parcel B via the culvert outfall. The garage and warehouse drains were reported to have been sealed with concrete around that time.

Parcel B

Parcel B is presently vacant land. The 1990 Mathieu Chemical letter indicates that the former drum-filling building contained a floor drain that discharged to an adjacent underground tank (chemical manhole). The letter indicates that the drumming shed drain was used as a spill precautionary measure.

2. Site exterior drainage –

Parcel A

Two catch basins were observed on Parcel A at the time of inspection, the locations of which are shown on Figures 3 and 5. The site contacts reported that these units discharged to an interior on-site

oil/water separator (shown as T-2 on Figure 3) and then to the sanitary sewer. However, information available from the Middletown Sewer & Water Department does not indicate that an oil/water separator is connected to the sanitary sewer. The discharge for the oil/water separator to culvert which flows to the unnamed stream and wetlands located down-gradient to the east on Parcel B cannot be ruled out.

It is noted that a small steel pipe located near ground level was observed emanating from the southeastern corner of Building 2. This pipe is presumed to be a condensate pipe associated with the unused boiler located in Building 2 that would have discharged to the adjacent ground surface.

According to land records for the subject site, the City of Middletown maintains a ten-foot wide drainage easement along the northern portion of Parcel A. Information on file at the CT DEP and at the Middletown municipal offices indicates that this easement is for storm water drainage from Newfield Street, presumably flowing to the outfall culvert on Parcel B which discharges to the on-site unnamed stream.

Parcel B

No catch basins were reported or observed to exist on Parcel B at the time of inspection. Parcel B's exterior drainage is via overland flow (run-off) towards surface water and wetlands located on the eastern and central portions of the parcel and via infiltration into the ground.

D Raw Material and Waste Handling

1. Specific processes and operations conducted on-site –

Parcel A

The site is currently occupied by Jukonski Mitsubishi Fuso Truck Sales. Reported on-site activities conducted in Building 1 include truck/parts sales, office operations, and general vehicle repair. Specifically, vehicle repair activities include fluid changes (oil/antifreeze), battery changes, and engine repair. Minor parts cleaning is conducted on-site using a 30-gallon (approximate) parts cleaner maintained by Advanced Liquid Recycling.

Historically, Building 1 was the garage building for the vehicles associated with the various chemical distributors which occupied the site. According to CT DEP inspection reports and correspondences from former site occupants to the DEP, various tractor-trailers and tank trucks were maintained by the site occupants. Processes are presumed to consist of general vehicle repair, such as what is currently conducted in Building 1.

Building 2 was reported to have been formerly used while the site was occupied by chemical distributors for drum storage of raw materials and materials that were off-specification. Unknown additional chemical processes may have been conducted in Building 2 as well. The southeastern corner of the main portion of Building 2 was observed to have an area of concrete flooring that appeared to be newer and in better condition than the rest of the concrete floor. The southern wall adjacent to this area was observed to have an exhaust vent and several former discharge and/or intake pipes. Additional unidentified equipment is presumed to have been used in this area by the chemical distribution operations.

The northern portion of Building 2 was also indicated to have historically been used as a garage area. Unknown petroleum and/or hazardous materials are presumed to have been stored, used, and/or generated in the former vehicle maintenance area.

Parcel B

Parcel B is currently undeveloped land on which recent soil removal activities have occurred.

Historically, Parcel B was the location of the former chemical distribution processes. Bulk virgin chemicals were typically brought on-site via railroad tank-cars along the railroad spur located adjacent to the south of the site. The chemicals were pumped from the tank-cars via the loading rack to the ten 10,000-gallon bulk storage ASTs on the tank farm formerly located on the central portion of Parcel B. Aboveground pipelines connected the bulk storage ASTs to the drum filling building located on the southwestern portion of Parcel B.

2. Summary of raw material use and storage at time of site inspection -

Parcel A

The following raw materials were observed or reported to be stored on-site by the Jukonski Mitsubishi Fuso Truck Sales site contacts. The site contacts also indicated that the reported quantities are approximate values.

Raw Material	Quantity (Tank ID, if applicable)	Location
Antifreeze	(1) 55-gal drum	Building 1
Bulk Oil	275-gal tank (T-1)	Building 1
Gear Oil	150-gal tank (T-4)	Building 1
Parts Cleaning Solvent	30-gal parts cleaner	Building 1
Brake Clean	(12) 12-oz aerosol cans	Building 1
Batteries	6	Building 1

Historically, the site was occupied by chemical distribution operations, which included the storage of an extensive variety of chemicals. Building 2 was used to store a large quantity of 55-gallon drums of raw chemicals or material that was reported to be off-specification, according to information available at the CT DEP. Aerial photos indicate that exterior drum storage areas were also located adjacent to the east and west of Building 2, adjacent to the east and south of Building 1, and along southern property boundary on the southeastern portion of the parcel. Extensive inventories for the subject site's chemical storage are on file with the CT DEP and the Middletown Fire Marshall's office and are included in Appendix D and Appendix E.

Parcel B

No raw materials were observed or reported on Parcel B at the time of the inspection.

Historically, the site was occupied by chemical distribution operations, which included the storage of an extensive variety of chemicals. Chemical storage on Parcel B consisted of solvents, plastisizers, acidic and caustic substances stored in bulk in the tank farm area or in 55-gallon drums located in the former drum-filling building and the additional smaller buildings on the southwestern portion of the parcel. Exterior drum storage is also noted on aerial photos and in CT DEP inspection reports for the subject site. Extensive inventories for the subject site's chemical storage are on file with the CT DEP and the Middletown Fire Marshall's office and are included in Appendix D and Appendix E.

3. Summary of waste generation and storage –

Parcel A

The following wastes were reported to be generated by Jukonski Mitsubishi Fuso Truck Sales:

Waste	Approximate Quantity/Generation Rate	Disposal
Antifreeze	(1) 55-gal drum/25 gals per month	Advanced Liquid Recycling (service contractor)
Motor oil & Compressor oil	4000-gal above-ground tank (Storage Tank #T-3)/ 1000 gal per year, including 2 quarts/year of compressor oil	On-site waste oil furnace
Parts cleaning solvent	30-gal/periodically serviced	Advanced Liquid Recycling (service contractor)
Batteries	(1) battery/month	Douglas Battery (service contractor)
Brake Cleaner	None due to evaporation	NA

No solid-waste dumpsters were reported nor observed to be utilized by the on-site occupants. Typical domestic trash was reported to be disposed of in several garbage cans. Trash removal service was reported to be provided by the City of Middletown, presumably on a weekly basis. Information pertaining to historical solid waste practices, such as dumpster use and locations, was not identified.

Parcel B

Contaminated material was generated with the remedial excavation activities in January 2001. At the time of the inspection, approximately seventeen (17) 16-cubic yard roll-off trailers containing excavated soil were observed on the southwestern portion of the parcel, as shown on Figure 3. In addition, waste materials consisting of debris, waste fiber drums unearthed during the excavation, and contaminated ground water recovered from soil de-watering were generated under manifest.

Historically, the former chemical distribution operations which occupied the site had generated waste flammable liquids under manifest in 1983,1985 and 1987. Manifests are discussed in Section V.B.2.b. and are included in Appendix D. Based on PCW correspondences on file at the CT DEP, the material removed from the site is presumed to have been chemicals which were off-specification and could not be re-sold. Information pertaining to the specific waste management practices of the chemical distributors that occupied the subject site was not identified at the time of this ESA.

4. On-site waste disposal systems –

Parcel A

Jukonski Mitsubishi Fuso Truck Sales generates waste oil and limited quantities of automotive fluids associated with truck servicing in Building 1. Waste oil collected from trucks during routine oil changes is stored in an interior 4,000-gallon fiberglass AST (depicted as T-1 on Figure 3) which is connected to an oil-burning furnace used to heat Building 1.

Building 1 was reported to be connected to sanitary sewer service in December 2, 1999 prior to which Building 1 was reported to have been connected to an on-site septic system located along the northern exterior wall of the building. It should be noted that no documentation pertaining to the exact location and discharge sources to this septic system were identified. Building 2 was not reported to be currently connected to sanitary sewer service.

Parcel B

None of the former site buildings were indicated to be connected to sanitary sewer service. According to information on-file at the CT DEP, the drum-filling building had a floor drain which was connected to the chemical manhole.

5. Storage tank summary

Parcel B historically had an above-ground tank farm consisting of ten (10) 10,000-gallon tanks located on the central portion of Parcel B, as shown on Figures 4 and 5. A Mathieu Corp. inventory on file with the Middletown Fire Marshall indicates that the following materials were stored in the tank farm ASTs: isopropanol, methanol, methyl ethyl ketone, acetone, xylol, dioctyl phthalate, anti-freeze, and toluol. Based on observations made during the site inspection, these tanks have been removed. However, information pertaining to the removal of these units was not available for review at the time of this ESA.

The following tank data was reported and/or identified on the subject parcels (refer to Figures 3, 4 and 5) for locations of these units, which are identified by their designated tank ID#). Additional tank information is included in Sections V.A., V.B.3.a., V.B.3.b., and V.C.3.

Tank ID #	AST or UST	Construction and Contents	Capacity (gallons)	Registration	Date Installed	Date Removed
T-1	AST	Steel/Bulk Motor Oil	275	No	9/2000	NA
T-2	AST	Concrete/Oil-Water Separator	1,000	No	9/2000	NA
T-3	AST	Fiberglass/Waste Oil	4,000	No	9/2000	NA
T-4	AST	Steel/Gear Oil	150	No	9/2000	NA
T-5	AST	Steel/#2 Fuel Oil	275	No	Unknown	NA
FT-1	UST	Steel/#2 Fuel Oil	1,000	Yes (D-4)	Unknown	9/1999
FT-2	UST	Steel/Diesel	3,000	Yes (B-2)	1970	9/1999
FT-3	UST	Steel/Gasoline	1,000	Yes (A-1)	1978	9/1999
FT-4	UST	Steel/#2 Fuel Oil	7,000	Yes (C-3)	1962	9/1999
FT-5	AST	Steel/#2 Fuel Oil	275	No	Unknown	9/1999
FT-6	AST	Steel/#2 Fuel Oil	275	No	Unknown	9/1999
FT-7	AST	Steel/#2 Fuel Oil	275	No	Unknown	9/1999

Legend
T-1 = Current tank
FT-1 = Former tank
AST = Above-ground storage tank
UST = Underground storage tank

V REGULATORY AGENCY DATA REVIEW

HRP obtained and reviewed available information from various files and databases maintained by state, federal, and local regulatory agencies concerning the subject site and properties in the surrounding area. The information obtained from these sources is discussed below.

A Federal and State Environmental Database Review

The following table lists pertinent environmental databases and the associated search radii recommended by ASTM. The table also lists the number of sites within each group that fall within the specified radii. This information was obtained from various state and federal databases lists through New England Datamap Technologies, an environmental and risk-based information research company, on March 13, 2001. The environmental database search report is included as Appendix C. The sites identified within the various radii are further discussed below.

Source	ASTM radius criteria (miles)	Sites identified within radius
Federal NPL	1.0	0
Federal CERCLIS	0.5	0
Federal RCRA CORRACTS TSD Facilities	1.0	0
Federal RCRA Non-CORRACTS TSD Facilities	0.5	0
Federal RCRA Generators	site and adjoining properties	2
Federal ERNS	site only	0
State Hazardous Waste Sites	1.0	14
Solid Waste Sites	0.5	1
State Leaking UST's	0.5	2
State Registered UST's	site and adjoining properties	3

Federal Superfund Status

HRP has reviewed the Environmental Protection Agency's (EPA) National Priorities List (NPL) and the CERCLIS List 8, Region 1 – Connecticut (revised April 16, 2000). The CERCLIS is the EPA's database of identified sites where uncontrolled releases of hazardous wastes have, or may have, occurred. The NPL consists of CERCLIS sites identified by the EPA that are eligible for clean-up funds through the Federal Superfund program. Based on a review of these databases, HRP has determined the following:

Federal CERCLIS Status

The site and abutting properties are not listed on the CERCLIS and there are no such facilities located within a half a mile of the subject site.

RCRA Notification Status

The subject site is not currently listed as a generator of hazardous wastes. RCRA Generators, RCRA Treatment, Storage, and Disposal Facilities (TSDs), or RCRA Corrective Action (COR) sites were identified within their respective search radii as follows:

RCRA Generators

According to the database search report, the site is not currently indicated to be a generator of hazardous wastes. However, information available from the CT DEP indicates that the Portland Chemical Works had filed as a Small Quantity Generator (EPA ID No. CTD069262186) and has manifested flammable liquid wastes removed from the site in 1983 and 1985.

The following adjacent properties were identified as generators of hazardous waste.

- Middletown Toyota, Inc. located adjacent to the south and cross- to up-gradient of the subject site, is indicated to be a Small Quantity Generator of hazardous wastes. No further information pertaining to this site is included in the database search report.

- Town & Country Auto Sales, Inc., located adjacent to the north and cross- to up-gradient of the subject site, is indicated to be a Small Quantity Generator of hazardous wastes. No further information pertaining to this site is included in the database search report.

RCRA TSDs

According to the database search report, the subject property is not currently indicated to be a RCRA Treatment, Storage, and Disposal Facility (TSD). However, information available from the CT DEP indicates that the Portland Chemical Works had filed as a RCRA Transporter. No RCRA TSD facilities are located within the respective search radius.

RCRA COR

The subject property is not currently indicated to be a RCRA Corrective Action (COR) site. No RCRA COR facilities are located within the respective search radius.

ERNS Status

The Emergency Response Notification System (ERNS) is the EPA's database of EPA emergency response actions. The site and the abutting properties are not indicated to be on the ERNS list.

State Hazardous Waste Sites

The former site occupant, Portland Chemical Works, is indicated to be a suspected State hazardous waste site due to a Notice of Violation issued for not submitting a transfer filing. The database search report indicates that the site filed a Voluntary transfer filing in September 1999.

In addition to the subject site, the following thirteen facilities were identified as State hazardous waste sites located within 1.0 mile of subject property:

State Site Name	Address	State status (Inventoried or Suspected)	Distance (mi.) & Direction From Subject Site	Presumed Up-, Cross-, or Down-gradient Position to Subject Site
EIS Brake Parts	North Main Street	Suspected	0.77; southeast	Down-gradient
J.J. Vinci Coal Co.	1000 Newfield Street	Inventoried	0.61; northwest	Cross- to down-gradient
Laurick Enterprises	1075 Newfield Street	Suspected	0.71; northwest	Cross- to down-gradient
Location Realty Co.	834 Newfield Street	Suspected	0.34; northwest	Cross- to down-gradient
Maaco Auto Painting	Unit 2A, 770 Newfield Street	Suspected	0.11; northwest	Cross-gradient
Middletown Municipal Landfill	North Main Street	Suspected	0.74; southeast	Down-gradient
Middletown Nike Launch	Mile Lane	Suspected	0.81; northwest	Cross- to down-gradient
Parker-Hannifin Corp.	695 High Street	Suspected	0.77; northwest	Down-gradient
Remington Rand Facility	180 Johnson Street	Suspected	0.96; southeast	Down-gradient
Town & Country Auto Sales	722 Newfield Street	Suspected	0.07; northwest	Cross- to up-gradient
Town & Country Auto Sales	750 Newfield Street	Suspected	0.10; northwest	Cross- to up-gradient
Town & Country Chrysler Jeep	1180 Newfield Street	Suspected	0.96; northwest	Cross- to down-gradient
Ziebart Rustproofing	Unit 4F, 770 Newfield Street	Suspected	0.11; northwest	Cross- to up-gradient

Of the thirteen State hazardous waste sites identified in the database search report, the following three sites are located in apparent cross- and/or up-gradient positions relative to the subject site or in close proximity to the subject site:

- Maaco Auto Painting, located approximately 0.1 miles north and cross-gradient of the subject parcels, is listed as a suspected State hazardous waste site due to a Form III transfer filing in July 1995.

- Town & Country Auto Sales, Inc., located adjacent to the north and cross- to up-gradient of the subject parcels, is listed as suspected State hazardous waste site due to a Form I transfer filing in June 1998.

- Ziebart Rustproofing, located approximately 0.1 miles north and cross-gradient of the subject parcels, is listed as a suspected State hazardous waste site due to a Form I transfer filing in 1994.

Solid Waste Disposal Status

The site is not an active Solid Waste Disposal facility. It should be noted that based on the discovery of buried waste drums and debris beneath Parcel B in January 2001, the site was presumably utilized for solid waste disposal.

The following facility was indicated within 0.5 miles of the subject parcels:

- The Middletown bulky waste landfill, located adjacent to the southeast of the subject parcels in a topographically cross- to down-gradient position, is indicated to be an inactive, privately owned landfill. This landfill corresponds to the Dainty Rubbish facility observed adjacent to the site during the site inspection.

Leaking UST (LUST) Status

The current owner of Parcel B, the City of Middletown, is indicated to have had two (2) leaking underground storage tanks presumed to be FT-3 and FT-2 (Figures 3 and 5)) which were removed on 9/15/99. In addition, the following LUSTs were located within 0.5 mile of the site:

- Primary Steel, located adjacent to the north and cross- to up-gradient of Parcel B, is listed as a State spill site and as a LUST site due to the release of No. 2 heating oil from a 10,000-gallon UST in July 1997. According to the database report, the tank and approximately 10-cubic yards of affected soil were excavated, and the spill status is "closed".

- Town & Country Auto Sales, located adjacent to the north and cross- to up-gradient of the subject parcels, is listed as a State spill site due to the release of an undetermined quantity of hydraulic oil from a UST, presumed to be an underground transformer or capacitor, in March 1996.

Registered UST Status

The former site occupant, The Portland Chemical Works, was indicated to have had four (4) registered underground storage tanks. A 1,000-gallon gasoline tank (depicted as FT-3 on Figures 3 and 5), a 3,000-gallon gasoline

tank (presumed to be FT-2, which actually contained diesel fuel), and a 1,000-gallon heating oil tank (FT-1, Figures 3 and 5) were indicated to have been removed from the site. A 7,000-gallon gasoline tank (presumed to be FT-4, which was reported to have actually contained No. 2 fuel oil) was indicated to have been abandoned in place on 2/1/86.

In addition, the following adjacent properties were indicated to have registered underground storage tanks as follows:

- Primary Steel, Inc. located adjacent to the north and cross- to up-gradient of Parcel B is indicated to have eight (8) USTs. Five of the eight registered tanks were installed in June 1974 and removed in June 1990. The three (3) tanks currently in use are indicated to be gasoline USTs installed in June 1981.

- Town & Country Auto Sales, located adjacent to the north and cross- to up-gradient of the subject parcels, is indicated to have four (4) tanks. Three of these tanks were installed in July 1975 were used to store gasoline (4,000-gallon capacity, removed September 1984), heating oil (2,000-gallon capacity, removed September 1984), and used oil (2,000 gallon capacity, reported to be currently in use). The fourth registered tank is also a 2,000-gallon used oil tank reported to have been installed in June 1984.

State Oil & Chemical Spill Status

The subject site is listed as a State spill site due to "drum dumping" in November 1991. This spill incident corresponds to the discarded drums reported in the January 1992 Rizzo correspondences to the CT DEP. The correspondences indicate that six to nine discarded steel drums were discarded on the north central portion of Parcel B, presumably within the area of artificial fill. The 1992 Rizzo reports are further summarized in Section I.D.

In addition, Dainty Rubbish, located adjacent to the south and east of Parcel B in a topographically down-gradient direction, is listed as a State spill site due to the release of 30-gallons of diesel from a fuel tank in June 1995. No further information pertaining to these spills is reported in the database search report.

Summary of Database Information

According to the database search report, the following facilities are located in apparent cross- and/or up-gradient positions and/or in close proximity to the site and could potentially be sources of ground water contamination at the subject parcels:

- Primary Steel, Inc. located adjacent to the north and cross- to up-gradient of Parcel B, is listed as a LUST site and a State spill site due to the release from a 10,000-gallon fuel oil UST in 1997. In addition, Primary Steel has eight (8) registered USTs, five of which were removed in 1990.

- Town & Country Auto Sales, located adjacent to the north and cross- to up-gradient of the subject parcels, is listed as a Small Quantity Generator of hazardous waste and as suspected State hazardous waste site due to a Form I filing in 1998. A hydraulic oil release from an underground transformer or capacitor was reported for Town & Country Auto Sales in 1996.

- Maaco Auto Painting, located approximately 0.1 miles north and cross- to up-gradient of the subject site, is listed as a suspected State hazardous waste site due to a Form III filing in 1995.

- Ziebart Rustproofing, located approximately 0.1 miles north and cross-gradient of the subject parcels, is listed as a suspected State hazardous waste site due to a Form I transfer filing in 1994.

- Middletown Toyota, Inc., located adjacent to the south and cross- to up-gradient of the subject parcels, is listed as a Small Quantity Generator of hazardous waste.

B DEP File Search

1. Bureau of Water Management

a. Property Transfer Program (PTP) Files –

The Environmental Condition Assessment Form (ECAF) for the subject site completed by Woodard & Curran was filed on 9/9/99 with the PTP under the voluntary clean-up program. A copy of the Woodard & Curran Phase II/Phase III report was included with the ECAF filing. These documents are discussed in Section I.D.

A CT DEP interdepartmental ECAF Recommendation indicates that the site was suitable for delegation to an LEP due the fact that the ECAF indicated that the "site conditions have largely been characterized" and that the "ground water contamination is largely confined and exceeds applicable standards only in a limited area". A letter dated 10/1/99 from the CT DEP to the City of Middletown delegated the oversight of the investigation and remediation of the subject site to an LEP.

The Remedial Action Plan (RAP) for the subject site prepared by Woodard & Curran was filed with the PTP on 2/8/2000. A

letter dated 3/16/2000 from the CT DEP to the City of Middletown requests that a schedule for the proposed investigations and remediation activities outlined in the RAP be submitted to the DEP.

A letter dated 1/25/2001 from the CT DEP to the City of Middletown indicates that the remediation schedule requested in the 3/2000 letter was not included in the CT DEP's files. In addition, the letter requests that any changes to the remediation activities and schedules due to the recent emergency clean-up need to be submitted to the CT DEP.

A letter dated 2/21/2001 from the CT DEP to the City of Middletown indicates the CT DEP's acknowledgement that a different consultant has been contacted to continue the investigation and remediation of the subject site. The CT DEP also requested a schedule for submitting a new Phase I ESA for the site and work plan for a Phase II investigation.

b. Orders –

No orders were identified for the subject site in the available reviewed CT DEP files.

c. Violations –

Notice of Violation No. 426 HM 83 was issued by the Bureau of Hazardous Waste Management and is discussed in Section V.B.2.a.

Notice of Violation (NOV) No. SRD-NOV-016 (included in Appendix D) was issued to Portland Chemical Works on 12/1/92 for failing to submit a transfer filing with regards to the 10/24/88 transfer of the site as an "establishment".

- A letter dated 12/28/92 from PCW's counsel to the CT DEP reports PCW's belief that their merger with MP Chemicals did not constitute a property transfer. The letter includes a signed affidavit from PCW indicating that no hazardous waste in excess of 100 kg/month were generated at the site, and therefore it was not an establishment. Meeting notes from a 3/17/93 CT DEP meeting with PCW and PCW's counsel further indicates that PCW believed the merger with the Mathieu Corp. did not constitute a transfer of the property.

- Letters dated 3/16/93 and 3/29/93 from the CT DEP to PCW and to PCW's counsel indicates that the Department supports the applicability of the Transfer Act with regards to the site and upholds the requirements imposed by SRD-NOV-016. A letter dated 4/29/93 from PCW's counsel indicates the PCW's reluctance to comply with the determination that the Transfer Act applied to the 10/24/88 transaction.

- A CT DEP interdepartmental memorandum dated 9/4/96 indicates that upon review of the information pertaining to the site available at that time further investigation was warranted. In addition, the memo indicates that the property transfer issue involving SRD-NOV-016 had not been resolved. This is the most recent documentation identified pertaining to the transfer status of the site prior to the ECAF filing by the City of Middletown under the voluntary clean-up program.

d. Other –

An Industrial Survey dated 8/29/90 for Hampden Mathieu Chemical Company included in Appendix D) indicates that the site was used at that time to warehouse and distribute acids, caustics, solvents, and plastisizers. One top-water sample was collected from the underground septic or holding tank (depicted as the chemical manhole on Figures 4 and 5). Results indicate the presence of several VOCs and heavy metals.

A CT DEP Memorandum dated 1/17/2001 indicates that the Permitting Enforcement & Remediation Division received the ECAF for the site on 9/9/99. The memo indicates that on 10/1/99 the site's investigation and remediation was delegated to an LEP. Lastly, the memo indicates the during remediation of the chemical manhole area, a subsurface pipe and buried debris, including fiber drums, were discovered and reported to the Oil & Chemical Response Division.

A P-5 Industrial Survey dated 7/15/60 for Concord Steel (now Primary Steel) located adjacent to the north of Parcel B indicates that although no industrial waste was generated, the site utilized a septic tank and leach field for its sanitary sewage.

2. Bureau of Waste Management

a. Hazardous Waste Program Files

- A RCRA Inspection Checklist (included in Appendix D), dated 9/4/81, indicates that the former site occupants, C.P. Chemicals and Portland Chemical Works (PCW), were distributors of virgin chemical stock. The report indicates that the only waste generated under manifest at that time consisted of 4,620 gallons of unusable virgin chemical stock that was off-specifications (off-spec) removed in August 1981. The 1981 manifest was unavailable for review. However, it was noted by the inspector that the C.P. Chemical tank trucks were also used to haul waste nickel and copper plating solutions from customers of C.P. Chemicals and Portland Chemical Works to an off-site facility for disposal.
- A Transporter Permit dated 8/9/83 was issued to PCW authorizing the site as a transporter under ID No. HW-123 for wastes designated by the EPA as D002 and F006. A copy of the permit is included in Appendix D.
- An inspection report from a CT DEP Transporters Permit Inspection of the PCW on 8/29/83 (included in Appendix D) indicates that drippings and waste materials collected after the drum-filling process were stored outside in 55-gallon drums on the ground and on pallets. The drums were noted to be in poor condition, with one drum that had rusted through to its inner plastic liner. The inspection notes also report the storage of seven drums adjacent to the machine shop containing an unidentified white-sludge waste. No labels or dates were indicated on the waste drums at the time of the CT DEP inspection.
- A letter dated 10/27/83 from the CT DEP to the US EPA requesting that the EPA seek a civil penalty action against PCW due to operations that were in violation of RCRA requirements (included in Appendix D). A letter dated 2/29/84 indicates that, based on the 2/10/84 inspection, the CT DEP was withdrawing its 10/27/83 request that the EPA pursue enforcement action against the subject site (included in Appendix D).
- A Hazardous Waste Inspection Checklist (included in Appendix D), dated 2/10/84, indicates that PCW was generating approximately 55-gallons per month of wastes collected from line drippings in the re-drumming process conducted on-site. The wastes at the time of the inspection were con-

sisted of two drums "stored in an area with a drain". No labels or dates were indicated on the waste drums at the time of the CT DEP inspection.

- A Warning Letter from the CT DEP dated 6/27/85 was issued to PCW due to improper completion of its 1985 waste manifest.
- A Collection Report dated 10/24/85 indicates that CT Attorney General collected $2,000 from the PCW "for transporting hazardous waste in Connecticut without a permit."
- A Small Quantity Generator Annual Report was received by the CT DEP on 4/6/87. The report indicates that the subject site generated 4,260 gallons of waste flammable liquids consisting of ketones, aromatics, plastizers, glycols, and glycol ethers. This quantity corresponds to the quantity reported to have been manifested in 1981.
- An inspection report (included in Appendix D) from an 8/4/90 DEP Waste Engineering and Enforcement Division (WEED) inspection indicates that the drum-filling processes conducted on-site ceased around 1987. The report also indicates that the main warehouse building was used to store hundreds of 50-lb bags, 30-gallon fiber drums, and 55-gallon drums of off-specification virgin product that had been, at that time, stored on the site for three to ten years. Several of the drums were observed to be seeping contents onto the warehouse floor. The small drum-filling building (Figures 4 and 5) was used to store approximately eighty (80) 55-gallon drums in poor condition, some of which were open or seeping contents onto the building's floor. Five of the ten bulk-storage ASTs were reported to have residual contents. Soil staining was observed beneath the tank farm filling station (shown as the loading rack on Figures 4 and 5). The inspection report includes a copy of the Mathieu Corporations inventory at the subject site.
    - A complaint dated 8/29/90 (included in Appendix D) was submitted to the Waste Management Bureau by the Water Compliance Bureau in regards to the observations made during the 8/4/90 inspection. A letter (included in Appendix D) dated 9/18/90 from the Hamden Mathieu Chemical, the site owner/occupant at that time, indicates that the discharge locations for the drains in the garage and warehouse buildings discharge to the area immediately behind the tank farm, presumably referring to the culvert outfall to the unnamed stream. The garage and

warehouse drains were reported to have been sealed with concrete. The discharge location for the drumming shed drain was reported to be the chemical waste UST (shown as the chemical manhole on Figures 4 and 5). The drumming shed drain was reported to remain unsealed as a spill precautionary measure.

- Notice of Violation (NOV) No. 426/HW No. 083 (included in Appendix D) was issued to PCW on 9/25/91. In addition to enforcing hazardous waste regulations, the NOV required the sampling and analysis of the stained soils observed beneath the loading rack during the 8/4/90 WEED inspection. The following documentation pertains directly to the issues addressed by the NOV:
  - A letter dated 12/30/91 from PCW to the Waste Management Bureau (included in Appendix D) pertains to the NOV and the observations made by the DEP during the 8/4/90 WEED inspection. The letter states that the large quantities of drummed chemicals observed on-site, though "off-spec", were virgin materials and were not waste materials which required proper notification for storage or transport. The letter also reported that no residual product was contained in any of the ten bulk storage ASTs. The letter indicates that the water which had accumulated in the underground tank (shown as the chemical manhole on Figures 4 and 5) adjacent to the drumming shed was analyzed and reported to consist of non-hazardous liquid, 4,000-gallons of which was subsequently pumped out and disposed off-site. The PCW letter states that the stained soil in the tank farm area could not be located, and that PCW would not sample any soil without further DEP guidance.
  - A copy of the 6/23/92 letter report prepared by Rizzo Associates, Inc. (Rizzo) pertaining to the stained soil analytical results and the delineation of the loading rack-area was identified in the Hazardous Waste files. This report is discussed in Section I. D.
  - A letter dated 8/18/92 (included in Appendix D) from WEED to the Mathieu Corp. (PCW owner) inquires about the source of VOCs detected in the soil sample results reported in the 6/23/92 Rizzo report. A letter dated 9/9/92 from Rizzo to WEED (included in Appendix D) states that the VOCs detected in the soil samples collected from the tank farm filling station area did not

originate from a hazardous waste source as defined in 40 CFR 261 Subpart D.

- A letter dated 10/2/92 from WEED to Rizzo pertaining to the additional required analytical parameters which were not completed for the soil samples collected from the tank farm. The letter also indicates that PCW was in fact a generator of hazardous waste when in 1986 and in 1987 PCW shipped off-site 5,925 lbs. and 4,260 gallons of hazardous waste, respectively. A copy of the 10/23/92 letter report prepared by Rizzo (included in Appendix D) pertaining to additional soil sample analytical results for the stained soil area was identified in the Hazardous Waste Program files.
- A CT DEP Memorandum dated 11/16/92 (included in Appendix D) was issued to the Permitting, Engineering, Enforcement, and Remediation Division (PERD) from WEED. WEED noted that the subject site's NOV was in the process of being closed, and advised that the Transfer Act may apply to the site due to a 1988 transfer of the property.
- Closure of NOV No. 426/HW No. 083 was issued by the CT DEP on 11/19/92 (included in Appendix D) indicating that the stained soil was determined by PCW to contain only trace amounts of VOCs and was not considered as hazardous waste. Based on a follow-up inspection on 4/7/92, the CT DEP recommended no further enforcement actions for the subject site.

- A copy of the January 14, 1992 and the January 17, 1992 letter reports prepared by Rizzo were identified in the Hazardous Waste files. These report are discussed in Section I. D and are included in Appendix D.
- A letter dated 11/20/92 from Rizzo to WEED (included in Appendix D) indicates that the four drums of material which were previously analyzed and determined to be disodium phosphate were transported to an out of state disposal facility on 7/30/92.
- A letter report dated 11/2/93 (included in Appendix D) prepared by Advanced Environmental Interface, Inc. (AEI), reviewed the CT DEP documentation for the subject site available at that time. AEI concluded that additional investigations were needed to evaluate the site.

- An 8/26/96 Stage I Site Review request was submitted to the DEP by the Town of Middletown for the Brickyard Industrial Park area, which includes the subject site.

b. Manifests

The following manifests were identified in the Hazard Waste Program files:

- A manifest dated 10/13/83 indicates that PCW (Generator ID No. CTD069262186) generated 1,210 gallons of flammable liquid waste under EPA waste code D001.

- A manifest dated 8/15/85 indicates that PCW (Generator ID No CTD069262186) generated 1,555 pounds of flammable liquid waste under EPA waste code D001. The manifest also indicates that PCW was the Transporter as well (Tran. ID No. CTD069262186).

- A manifest dated 1/21/87 indicates that PCW (Generator ID No. CTD069262186) generated 4,260 gallons of flammable liquid waste under EPA waste code D001.

It should be noted that the site also manifested 4,620 gallons of waste in 1981, as reported in a CT DEP inspection report. This manifest was unavailable for review.

In addition, the waste materials that were generated during the January 2001 remediation activities were also manifested under the PCW's generator I.D. number.

- A manifest dated 1/12/2001 indicates that 1,439 gallons of liquid wastes were removed from the site under EPA waste codes D002, D007, D039, and F001. It should be noted that the Fire Marshal's copy of the manifest indicates the generator to be the City of Middletown.

- Two manifests dated 1/23/2001 indicate that 5,200 and 5,000 gallons of liquid wastes were separately removed from the site under EPA waste codes D002, D007, D039, and F001.

- A manifest dated 1/24/2001 indicates that 5,000 gallons of liquid wastes were separately removed from the site under EPA waste codes D002, D007, D039, and F001.

- Two manifests dated 1/26/2001 indicate that 714 gallons and 741 gallons of liquid wastes were separately removed from the site under EPA waste codes D002, D007, D039, and F001.

- A manifest dated 1/29/2001 indicates that 350 gallons of liquid waste (EPA waste codes D004 and D008) and 1,100 pounds of solid waste (EPA waste codes D002, D004, D007, D008, F002, and F005) were removed from the site.

Additional manifests are presumed to be filed with the CT DEP for the removal of the remaining soil and waste material excavated during the January 2001 clean-up activities. Copies of these additional manifests were not available for review at the time of this report.

c. Solid Waste Program Maps

According to the Solid Waste Program Map for the subject site (USGS Middletown Quad), the Armetta bulky waste landfill is located down-gradient to the south and east of the subject site. Presumably, the Armetta bulky waste landfill corresponds to the Dainty Rubbish property(ies) identified adjacent to the site during the site inspection.

Also, the Mattabasset sludge/ash landfill, located approximately 4,000 feet north of the subject site, is identified on the Solid Waste Program Map.

d. Oil and Chemical Spills Response Division (OCSRD) Files

An Oil Spill Report (included in Appendix D) dated 8/6/80 indicates that an "odor problem" was reported which was suspected to have been caused by water flowing from the PCW site.

e. PCB Files

No documents pertaining to the subject property or adjacent properties were identified in the available reviewed PCB files.

3. Underground Storage Tank Program List and Files

a. Registered Underground Storage Tanks (UST)

A UST registration form dated 8/1/86 indicates that the site had three USTs as follows: a 1,000-gallon gasoline tank (FT-3, Figures 3 and 5) installed in May 1978; a 3,000-gallon diesel fuel

tank installed in 1970 (FT-2, Figures 3 and 5), and a 7,000-gallon No. 2 heating oil tank installed in 1962 (FT-4, Figures 3 and 5). A site figure indicates that tanks FT-2 and FT-3 were located on the southeastern corner of Parcel A, as shown on Figure 3 and 5. UST FT-4 was located adjacent to the south of Building 2. The figure indicates that FT-4 was abandoned on 4/18/86 by Rackliffe Oil Co., Inc.

A UST registration form dated 1/25/00 indicates that the three registered tanks were removed. An additional 1,000-gallon No. 2 fuel oil tank (FT-1) was indicated to have also been removed. The registration form refers to a report entitled "Tank Removal Report, December 1999" which was indicated to be on file with the CT DEP. No further information pertaining to the tank removals was identified.

b. Leaking Underground Storage Tanks (LUST)

According to the database search report, the former 1,000-gallon gasoline UST (FT-3, Figures 3 and 5) and the former 3,000-gallon diesel UST (FT-2, Figures 3 and 5) that were located on the southern portion of Parcel A were reported to as LUSTs in September 1999.

C Municipal File Search

1. Town Assessor's/Clerk Files and/or Interviews

The Middletown Assessor's office confirmed the ownership of the subject parcels as described in Section I.C. Copies of the Tax Assessor's field cards for the property are included in Appendix E.

2. Fire Marshal Files and/or Interviews

A memo (included in Appendix E) dated 11/18/81 for the Fire Marshal's files confirms the presence of two (2) motor fuel USTs. The memo also indicates that no apparent spills were observed by the deputy fire marshal during his walkover of the site at that time.

A memo (included in Appendix E) dated 11/18/81 for the Fire Marshal's files confirms the presence of two (2) motor fuel USTs. The memo also indicates that no apparent spills were observed by the deputy fire marshal during his walkover of the site at that time.

A memo (included in Appendix E) dated 11/7/91 for the Fire Marshal's files indicates that an anonymous phone call reported chemical dumping on the rear portion (Parcel B) of the subject site. The memo recommends follow-up actions to investigate the complaint.

A copy of the CT DEP tank registration form dated 1/25/2000 is on file at the Middletown Fire Marshall's office. This registration form is further discussed in Section V.B.3.a.

A letter dated 11/1/91 from the PCW to the Fire Marshall's office (included in Appendix E) includes PCW's Tier II Emergency and Hazardous Chemical Inventory. The inventory indicates that the site was used to store large quantities of metal sulfates, various acids and caustics, and 111-TCA.

The following documentation pertaining to the January 2001 clean-up activities on Parcel B is on file at the Middletown Fire Marshall's office.

- A United Oil Recovery Waste Stream Profile dated 1/12/2001 indicates that the liquid wastes and water recovered from the drum burial clean-up was characterized as hydrochloric acid, phosphic acid, chromic acid, sulfuric acid, PCE, and tetrachloroethane. The hazardous waste manifest for the liquid waste indicates that 1,439 gallons were removed from the site on 1/12/01 for disposal at an United Oil Recovery facility.

- A Safety-Kleen Material Profile dated 1/29/2001 for the hazardous solids generated during the drum-burial area clean-up was determined to contain arsenic and lead. A Safety-Kleen Material Profile dated 1/29/2001 indicates that the liquids were characterized as water with chromic acid, nickel sulfate, copper sulfate, toluene, TCE, arsenic, and lead. The hazardous waste manifest for this material indicates that 350 gallons of liquid waste and 1,100 pounds of solid waste was removed from the site on 1/29/2001 for disposal at a Safety-Kleen facility.

3. Health Department Files and/or Interviews

According to the Middletown Health Department, no information was available regarding the subject parcels at this time. According to the Health Department representative, Health Department documentation pertaining to the subject site is on file with the Middletown Department of Planning, Conservation & Development. Although the Department of Planning, Conservation & Development did not have any information pertaining to Health Department records for the subject site, the following Health Department files regarding the site are on file at the CT DEP and at the Middletown Fire Marshall's office. A Middletown Department of Health investigation report for inspections completed on 11/22/91 (included in Appendix E) indicate that drum storage areas on the subject site consisted of drums that were empty and were rusted or rotted out. The inspection also refers to the on-site bulk storage

ASTs and fuel pumps. A site sketch depicts "dozens" of empty and rotted drums on the east-central portion of Parcel B. The sketch and report also refer to a 3,000-5,000 gallon tank in rusted condition on the far eastern portion of Parcel B.

Letters from the Middletown Department of Health dated 11/27/91 and 12/24/91 sent to the CT DEP and the site owner at that time formally requests that the CT DEP take investigative action on the subject site. The letter refers to a complaint received by the Fire Marshall's office, dated 11/7/91, that pertains to alleged illegal dumping of chemical waste at the subject site that may have affected ground water and soil.

4. Building Department Files and/or Interviews

The following building permits pertaining to the subject site were on file at the Middletown Building Department and are included in Appendix E:

- Permit No. 12563, dated 1/11/60, was issued to PCW for alterations to modify the "old Safeway Plant" into a chemical plant.
- Permit No. 12708, dated 4/27/60, was issued to Philipp Bros. Chemicals for the construction of the tank farm and the drum-filling building.
- Permit No. 14774, dated 5/28/63, was issued to Philipp Bros. Chemicals for the construction of a 80'x100' steel-framed storage building (Building 2).
- Permit No. 534, dated 8/1/78 was issued to Philipp Bros. Chemicals for the demolition of a 60'x150' warehouse building.
- Permit No. 8165, dated 8/1/78 was issued to Philipp Bros. Chemicals for the construction of a 60'x150' steel storage warehouse. Based on the indicated dimensions, it is presumed that the eastern portion of Building 1 was demolished and reconstructed in circa 1978-79. A certificate of occupancy was issued for the warehouse building on 10/16/79.
- Permit No. 12000, dated 1/17/84 was issued to PWC for office renovations.
- Permit No. 25007, dated 9/14/99 was issued to Jukonski Sales for the removal of three USTs (presumably tanks FT-2, FT-3, and FT-4, as shown on Figures 3 and 5).

5. Water & Sewer Department Files and/or Interviews

Sewer Connection Permit No. 99-191 (included in Appendix E) on file at the Middletown Water & Sewer Department indicates that the combined sanitary/storm sewer was connected to Parcel A on December 2, 1999. According to the sketch attached to the permit, Parcel A's tie-in to the main sewer line is approximately 90-feet west of Building 1. The sewer line hooks around the northern portion of the western portion of Building 1 (the former school house) and connects to the building at the north end of its eastern wall.

The municipal water connection to Parcel A is indicated to have been installed on May 9, 1951 (included in Appendix E). Parcel A's tie-in to the water main is approximately 135-feet west of Building 1.

6. Department of Planning, Conservation, and Development Files and/or Interviews

According to data provided by the Middletown Department of Planning, Conservation, and Development, inland wetlands are mapped on the majority of Parcel B. No inland wetlands are mapped on Parcel A at this time.

The Department of Planning, Conservation, and Development provided a copy of the report entitled "Developer's Kit for the Disposition of the Former Portland Chemical Works Property." The report indicates that the Parcel A had been owned by the Newfield School District since circa 1839. A former schoolhouse building was replaced in 1920 by the brick schoolhouse building which currently serves as the western portion of Building 1. The drum-filling building and the two smaller shed buildings on Parcel B are indicated to have been constructed in circa 1960. The report also indicates that the site is subject to a 10-foot drainage easement in favor of the State of Connecticut for storm water run-off from Newfield Street along the northern property boundary. The developer's kit report refers to a UST-registration dated August 1986 for the removal of the following three USTs: a 1,000-gallon gasoline tank installed in May 1978 (FT-3); a 3,000-gallon diesel fuel tank installed in 1970 (FT-2), and a 7,000-gallon No. 2 heating oil tank installed in 1962 (FT-4).

VI SITE WALKOVER SURVEY

A Investigators

HRP personnel and date of walkover survey –

Timothy Brenner of HRP Associates, Inc. (HRP) conducted the site walkover surveys of the subject parcels on March 16, 2001. With the exception of the roof areas and portions of the exterior that were snow-covered, all portions of the site were accessible for the March 16, 2001 inspection.

In addition, a subsequent limited site visit was conducted by Howard Hurd and Jason Coite on April 18, 2001. The accessible areas of the April 18, 2001 site inspection was limited to the southern portion of Building 2 and the exterior portions of the site that are outside the fenced area of Parcel B.

B Site contacts and interviews

On March 16, 2001, Timothy Brenner of HRP interviewed the following individuals as part of the site walkover survey:

- Richard Jukonski and Richard Jukonski, Jr., owners of Parcel A;
- James Sipperly, Middletown Department of Planning, Conservation & Development, representative for Parcel B.

On March 29, 2001, Timothy Brenner visited the following Middletown municipal departments as part of this site assessment:

- Assessor's Office
- City Clerk's Office
- Fire Marshal's Office
- Department of Planning, Conservation, & Development
- Water & Sewer Department
- Building Department
- Health Department

Information and/or documentation identified from interviews with municipal officials or identified in the available municipal files are discussed in Section V.C. A follow-up visit to select Middletown municipal offices, consisting of the City Clerk's Office, the Building Department, and the Department of Planning, Conservation & Development, was conducted by Jason Coite of HRP on May 3, 2001 in order to review any additional information made available since March 29, 2001. It should be noted that no additional information was identified at that time.

On May 2 and 3, 2001, Jason Coite of HRP completed a file review for the available records from the CT DEP Bureau of Waste Management and Bu-

reau of Water Management. In addition, on May 16, 2001, representatives from the following CT DEP departments were contacted as part of this site assessment:

- David Stokes, Bureau of Waste Management, Waste Engineering & Enforcement Division;
- Mary Jane Dapkus, Bureau of Water Management, Inland Water Resources Division.

C Limiting site conditions

1. Direct observation of the ground surface of the property was not possible due to extensive snow cover during the March 16, 2001 site inspection.

2. Knowledgeable site contacts who are familiar with the historical processes, raw material storage, and waste management practices associated with the former chemical distribution operations which occupied the site were not identified during this ESA.

3. Documentation pertaining to removal of four former USTs referred to on a 2000 tank registration form was not available for review at the time of this ESA. In addition, documentation pertaining to the removal of the ten (10) tank farm ASTs and the three (3) fuel oil ASTs which were reported to have been located adjacent to the north of Building 2 were also unidentified.

4. CT DEP documentation pertaining to the January 2001 emergency response clean-up including soil and waste sampling results was not available for review at the time of this report. In addition, CT DEP Bureau of Waste files indicate the existence of an Enforcement Action Summary for the subject site, dated 10/3/91, that is unavailable for review due to attorney-client privilege.

D Building Interiors

1. Indicators of contamination –

Parcel A

No indicators of contamination were observed in Building 1 at the time of the inspection except for minor surficial oil staining located in various portions of the repair area of the building. Various areas of staining, including an apparent salt-like residue, were noted in Building 2. It is noted that portions of the concrete floor in Building 2 are cracked exposing the soil below.

Parcel B

No buildings are currently located on Parcel B. However, VOCs and TPH were detected in soil samples collected on 1/9/01 by Woodard & Curran from beneath the former drum-filling building following its demolition.

2. Asbestos Containing Materials -

This ESA is not an inventory of asbestos containing materials (ACM) and is not designed or intended for such use.

3. Other Building Issues

The concrete knee-wall at the base of the western wall of Building 2 was observed to have a large crack near its approximate center. The knee-wall has been reinforced with a lateral steel beam and braced with three perpendicular beams.

The southeastern corner of the main portion of Building 2 was observed to have an area of concrete flooring which appeared to be newer and in better condition than the rest of the concrete floor. The southern wall adjacent to this area was observed to have an exhaust vent and several former discharge and/or intake pipes. Additional unidentified equipment, possibly consisting of a chemical still, formerly used by the chemical distribution operations is presumed to have been located in this portion of Building 2.

E Site Exterior

1. Evidence of Contamination –

a. Stained soil –

No evidence of stained soil was noted on either of the subject parcels at the time of inspection.

b. Surface water –

Parcel A

Surface water was not noted on Parcel A at the time of inspection.

Parcel B

As described in Section II.C.2, an easterly flowing tributary to the Mattabesset River is located on the eastern portion of Parcel B. No evidence of contamination (i.e. sheen) was observed

on this water body at the time of inspection. However, low levels of volatiles and total copper were detected in the surface water sample collected from the culvert outfall during the January 2001 clean-up oversight, as shown on Table 2. The culvert outfall flows to the on-site unnamed stream.

c. Seeps or leachate –

No seeps or leachate were observed on the subject parcels at the time of inspection. It should be noted that the excavated area of the chemical manhole was left unfilled. At the time of the inspection, the depression was observed to have collected snow melt, rain water, ground water and/or surface water run-off.

d. Odors –

No unusual odors were observed on the subject parcels at the time of inspection.

e. Stressed vegetation –

No areas of stressed vegetation were observed on the subject parcels at the time of inspection.

f. Unusual topographic features or soil disturbances –

Parcel A

No unusual topographic features or soil disturbances were observed on-site at the time of inspection except for disturbed soil located around the perimeter of Building 2. This is presumed to be associated with former tank removal activities of tank FT-4 (Figures 3 and 5). In addition, a small pile of soil, concrete, and steel from an unknown source was observed along the southwestern exterior wall of Building 2. Lastly, two large piles of soil were noted on the southeastern corner of the subject parcel. This material is presumed to be from the excavations on Parcel B during the emergency clean-up activities and which was determined as non-hazardous.

Parcel B

Various excavations are located on the western portion of Parcel B as a result of recent contaminated soil removal activities described in previous sections of this report.

A total of seventeen (17) roll-off dumpsters filled with contaminated soil were observed on the southern portion of Parcel B at

the time of inspection conducted on March 16, 2001. These roll-offs resulted from recent soil excavations and were awaiting disposal authorization. During the limited site inspection completed on April 18, 2001, approximately seven (7) roll-off dumpsters with contaminated soil were observed on site.

Various small covered piles of soil were noted on southern portions of the site in the vicinity of the former rack storage and drum filling building. Additional larger piles of uncovered soil are located along the southwestern property boundary. Debris piles of concrete fragments were noted in the vicinity of the former rack storage building.

The excavated area of the chemical manhole was left unfilled and had accumulated groundwater and/or surface water runoff. A temporary fence was observed to be staged around the depression.

2. Evidence of Waste Deposits –

Parcel A

With the exception of the aforementioned soil and concrete debris piles presumed to be non-hazardous, no evidence of waste deposits was noted on Parcel A at the time of inspection.

Parcel B

Waste deposits consisting buried fiber drums were unearthed and removed in January 2001. Although subsequent limited excavations in areas adjacent to the location of the buried drums did not unearth any further waste deposits, the presence of additional buried waste cannot be ruled out.

It is also noted that the low-lying portions along Parcel B's northern property boundary were observed to have been filled with miscellaneous steel, wood, concrete, and soil debris, presumably from the adjacent Primary Steel site.

No other evidence of waste deposits was noted on Parcel B at the time of inspection.

VII CONCLUSIONS AND RECOMMENDATIONS

HRP has performed this Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527-00 of the former Portland Chemical Works, 680 Newfield Street, Middletown, Connecticut, the property. This report is consistent with the form and content recommended for a "Phase I Transfer Act Site Assessment" as described in the Connecticut Department of Environmental Protection (DEP) "Transfer Act Site Assessment Guidance Document" dated November 1991. Any exceptions to, or deletions from, these practices are described in Section VI.C. and Section VIII of this report. This assessment has identified the following conclusions in connection with the property:

A Conclusions

1. The subject property consists of two parcels designated as Parcel A and Parcel B in this ESA report. Parcel A and Parcel B consist of approximately 2.9 and 3.1 acres, respectively. Parcel A is currently commercially developed with a large office/garage maintenance building (Building 1), and a steel-framed warehouse building (Building 2). Parcel B is currently vacant, with the exception of a railroad spur which extends across the southern portion of the site. Several concrete debris and soil piles and roll-off trailers associated with the January 2001 on-site excavation activities are also located on Parcel B.

2. Parcel A of the subject site is currently occupied by Jukonski Mitsubishi Fuso Truck Sales (Jukonski), a commercial truck sales and repair business. Jukonski utilizes a 1,000-gallon above-ground oil/water separator, a 275-gallon motor oil AST, a 150-gallon gear oil AST, and a 4,000-gallon waste oil AST, all of which were installed in 1999 and are located inside the garage area of Building 1. Based on the relative age of the oi./water separator and storage units, and the fact that no evidence of any structural compromise was observed on the unit, the interior storage tanks are considered deminimus recognized environmental condition.

   The parcel appears to be currently operating as a Conditionally Exempt Small Quantity Generator of Hazardous Waste, due to the generation of presumably less than 100 kg per month of waste in a small parts washer used by Jukonski.

3. The site was historically industrially occupied by chemical distribution operations, identified primarily as Philipp Bros. Chemicals, Inc., Portland Chemical Works (PCW), and the Hampden Mathieu Corp. According to CT DEP files, PCW was identified as a RCRA Generator and a RCRA Transporter during its occupancy of the subject site.

4. In September 1991, the Bureau of Waste Management issued Notice of Violation 426/HW 083 to PCW due to violations of hazardous waste regulations and the presence of stained soil observed in the area of the former tank farm and loading rack. Subsequent to surficial soil sampling indicating low levels of VOCs, the CT DEP issued closure of SRD-NOV-16 in November 1992.

5. In December 1992, the Bureau of Water Management issued Notice of Violation SRD-NOV-016 to PCW due to the fact that a transfer filing was not submitted to the CT DEP for a 10/24/88 transaction involving the subject site. According to interviews with the CT DEP, the transfer issue with PCW has not been resolved. However, the City of Middletown submitted an ECAF for the subject site on 9/9/99. The site is currently listed as a voluntary clean-up site under the Property Transfer Program.

6. This assessment has revealed no evidence of recognized environmental conditions (RECs) currently in connection with the property, with the exception of the following (REC locations are depicted on Figure 5):

Parcel A

REC #1 – Former 1,000-Gallon Fuel Oil UST – A former 1,000-gallon fuel oil UST (FT-1) of unknown age was removed in September 1999 from the area adjacent to the southwestern portion of Building 1. According to the CT DEP, the average life expectancy of an unlined steel UST is 15 years. Although the actual age of the tank at the time of removal is unknown, it had likely exceeded its life expectancy. No confirmatory sampling procedures or results have been identified in association with the tank removal. Therefore the potential for a release cannot be ruled out.

REC #2 – Former Floor Drain and Cleanout - According to information reported by the site contact, prior to Building 1's connection to the sanitary sewer system the building formerly utilized a floor drain clean out located in northern portion of the older, western segment of Building 1, as shown on Figures 3 and 5. The use of this floor drain to discharge unknown petroleum and/or hazardous wastes generated by former site occupants cannot be ruled out.

REC #3 – Former Septic System– According to information reported by the site contact, prior to Building 1's connection to the sanitary sewer system, the building discharged to a septic system presumed to be located to the north of the building. The discharge of unknown pe-

troleum and/or hazardous wastes to this former septic system by former site occupants cannot be ruled out.

REC #4 – Building 1 Truck Bays – Building 1 operates four (4) truck bays for the maintenance, repairs, and servicing of commercial trucks. Activities in this area include vehicle fluid reclamation and refilling, operation of a small parts washer unit, and engine repair. Historically, this area is presumed to have been utilized for similar truck maintenance activities associated with the former site occupants. Former drum storage, which is apparent on the areas adjacent to the south and east of the entrance bays on historical aerial photographs, is also likely to have occurred in this area.

REC #5 – Building 1 Trench Drain – A trench extends along the interior of the southern portion of the truck bays in Building 1. The trench is currently reported to discharge to the oil-water separator located in the southeastern corner of the building. The trench drain has potentially had contact with petroleum and/or hazardous materials released in the truck bay area.

REC #6 Building 1 Loading Dock and Drum Storage – The main loading dock for Building 1 is located on the eastern portion of the building, as shown on Figures 3 and 5. Aerial photographs indicate that the loading dock area and the area adjacent to the south of the truck bay area was formerly used for exterior drum storage. The potential for a release of petroleum and/or hazardous materials to have occurred during former transfer activities at the loading dock cannot be ruled out.

REC #7 – Former Gasoline and Diesel USTs – A former 3,000-gallon diesel UST (depicted as FT-2 on Figures 3 and 5) and a former 1,000-gallon gasoline UST (depicted as FT-3 on Figures 3 and 5) installed in circa 1970 and 1978, respectively, were removed from the south-central portion of Parcel A in 1999. According to the database search report, these tanks were identified as leaking underground storage tanks. A tank removal report was indicated to exist, but was unavailable for review at the time of this report. According to the CT DEP, the average life expectancy of an unlined steel UST is 15 years. Both tanks had exceeded their life expectancies. No confirmatory sampling procedures or results have been identified in association with the tank removals. Therefore the potential for a release cannot be ruled out.

REC #8 – Building 2 Loading Dock – The main loading dock for Building 2 is located on the western portion of the building. Aerial photographs indicate that the loading dock area was formerly used for exterior drum storage. The potential for a release of petroleum and/or

hazardous materials to have occurred during former transfer activities at the loading dock cannot be ruled out.

REC #9 – Surficial Staining Southwest of Building 2 – The 1990 aerial photo depicting the subject site indicates that an approximate 300-square foot area of surficial staining was located adjacent to the southwest of Building 2.

REC #10 – Former Fuel Oil ASTs – The previously completed Woodard & Curran (W&C) Phase I ESA identified three fuel oil ASTs (FT-5, 6, & 7) located adjacent to the northwest of Building 2. W&C's reports indicate the presence of surficial staining in this area, and subsequent soil sampling indicated high levels of TPH contamination and limited VOC contamination.

REC #11 – Former 7,000-Gallon Fuel Oil UST – A former 7,000-gallon fuel oil UST (depicted as FT-4 on Figures 3) installed in 1962 was removed in 1999 from the area adjacent to the southwestern portion of Building 1. A tank removal report was indicated to exist, but was unavailable for review at the time of this report. In addition, an approximate 300-square foot area of surficial staining on this area is apparent on the 1990 aerial photograph. According to the CT DEP, the average life expectancy of an unlined steel UST is 15 years. This tank had exceeded its life expectancy and no confirmatory sampling procedures or results have been identified in association with the tank removal. Therefore the potential for a release cannot be ruled out.

REC #12 – Building 2 Drum Storage – According to previously completed CT DEP inspection reports, Building 2 was formerly used as a drum storage area for off-specification chemicals. The drum contents were indicated in the CT DEP inspection reports (Appendix D) to have been seeping onto the concrete floor. Limited cracking of the concrete floor was observed during the site inspections completed for this ESA.

REC #13 – Building 2 Former Chemical Process Equipment - Additional yet-unidentified chemical equipment, possibly consisting of a former chemical still, is presumed to have been located on the southeastern corner of the main portion of Building 2 where a concrete pad and exhaust vent to the building's exterior is currently located.

REC #14 – Building 2 Boiler Room – A boiler and a small, potentially PCB-containing transformer, both of which are not currently in use, are located in a separate room on the southeastern portion of Building 2.

REC #15 – Building 2 Truck Maintenance Area – The northern portion of Building 2 was reported to have been used as a vehicle maintenance area by the previous site occupants. Currently a 1,000-gallon fuel oil AST (depicted as T-5 on Figures 3 and 5) of unknown age is located in this portion of Building 2. Unknown hazardous materials and/or additional petroleum materials are presumed to have been stored, used, and/or generated in the former vehicle maintenance area.

REC #16 – Surficial Staining East of Building 2 – The 1975 and 1980 aerial photos depicting the subject site indicate that an approximate 3000-square foot area of surficial staining was located adjacent to the east of Building 2. It should be noted that this area is located adjacent to a condensate pipe and a fill pipe that has been since disconnected located along the eastern wall of Building 2. Aerial photos also indicate exterior drum storage on and adjacent to this area (REC #26).

REC #17 – Former Drum Storage – The 1965 aerial photo indicates that an approximate 10,000-square foot area of debris and/or drum storage is located along the southern boundary of the property on both Parcel A and Parcel B.

Parcel B

REC #18 – Former Drum Filling Building – The former drum-filling building (shown on Figures 4 and 5) constructed in circa 1960 was used to fill 55-gallon drums with the materials stored in the bulk-storage tanks of the on-site tank farm. Drum storage was reported to have been located in and adjacent to this building. A floor drain in this building was also indicated to have been connected to the adjacent chemical manhole. VOCs and TPH were detected in soil samples collected from beneath the former drum building in January 2001 following the building's demolition.

REC #19 – Former Chemical Manhole – The former chemical manhole (shown on Figures 4 and 5) located adjacent to the north of the drum-filling building was connected to the floor drain in the drum-filling building. Analytical results of soil and ground water samples collected by W&C from the chemical manhole area in 1998 indicate the presence of chlorinated solvents, TPH, and heavy metals.

REC #20 – Former Leaching Field – According to Woodard & Curran's Phase III investigation, the former chemical manhole was identified as connected to a leaching field which was presumed to consist of a 20X20 area surrounding the chemical manhole. The actual lateral and vertical extent of the leaching field is unknown.

REC #21 – Drum and Debris Burial Area – Buried debris and fiber drums containing various chemical wastes were identified during the excavation activities in January 2001. The drums and debris were located in an area approximately 5-feet wide by 50-feet long extending to the north-northeast of the drum filling building. Analytical results of the waste material indicate high levels of heavy metal contamination, consisting of chromium, nickel, and copper, in particular.

REC #22 – Former Drum Storage Area – Exterior drum storage is identified from circa 1965 to circa 1980 in the area to the north of the former drum filling building and to the east of Building 2.

REC #23 – Former Drum Storage Shed – Drum storage was reported to be located in and around the small shed formerly located at the western terminus of the railroad spur.

REC #24 – Former Tank Farm and Pipelines - The above-ground tank farm (shown on Figures 2, 4 and 5) consisting of ten (10) 10,000-gallon tanks was located on the central portion of the parcel. The following materials were reported to have been stored in the tank farm ASTs: isopropanol, methanol, methyl ethyl ketone, acetone, xylol, dioctyl phthalate, anti-freeze, and toluol. Based on observations made during the site inspection, these tanks have been removed. However, information pertaining to the removal of these units was not available for review at the time of this ESA.

REC #25 – Former Loading Rack – The former loading rack (shown on Figures 4 and 5) located adjacent to north of the railroad spur and south of the tank farm was historically used to unload bulk-chemicals from tank-cars to the tank farm's ASTs. This is the area presumed to have the surficial staining identified in Hazardous Waste Notice of Violation filed in 1991. Analytical results of soil samples collected from that area in 1991 and in 1998 identified the presence of VOC and TPH contamination.

REC #26 – Loading Ramp – The loading ramp (shown on Figures 4 and 5) located adjacent to south of the railroad spur was presumably used to load materials onto railroad cars. The potential for releases due to inadequate spill containment cannot be ruled out.

REC #27 – Railroad Spur – The railroad spur (shown on Figures 2, 4 and 5) located on the southern portion of the parcel was formerly used by tank-cars containing various bulk-chemicals. The potential for releases from the tank-cars cannot be ruled out. Railroad ties are also typically associated chlorinated-organic creosotes to prevent wood-rot

as well as herbicides to prevent vegetation from growing over the tracks.

REC #28 – Unnamed Stream and Outfall Culvert – According to a 1991 Middletown Department of Health inspection report (Appendix E), a large number of empty drums were discarded in the area surrounding unnamed stream and on the northeastern portion of the parcel. The culvert outfall presumably discharges stormwater drainage from Newfield Street. Although the site's oil-water separator located in Building 1 was reported to have been connected to sanitary sewer in circa 1999, historically the culvert is presumed to have discharged drainage from Building 1's trench drain, Building 2's former floor drains (referenced to in a 9/18/90 letter to the CT DEP), and the on-site catch basins. Current discharge from the oil/water separator to the culvert cannot be ruled out since the municipal sewer department could not confirm that the separator was connected to sanitary sewer. Lastly, surface water samples collected from the outfall in January 2001 indicate the presence of low concentrations of VOCs.

REC #29 - Artificial Fill Area – The surficial material area to the north of the unnamed stream consists of debris material, including a discarded storage (approximately 3,000-gallon to 5,000-gallon capacity) tank observed along the eastern boundary during a 1991 Middletown Health Department inspection (Appendix E). According to correspondences from Rizzo, Associates to the CT DEP, the reported drums consisted of six to nine fiber and steel drums containing non-hazardous substances (disodium phosphate, as indicated in a 11/20/92 Rizzo Assoc. letter to the CT DEP) which were to be repackaged and removed from the site for proper disposal.

7. The potential for ground water contamination exists from the following topographically cross- to up-gradient sources or sources that are in close proximity of the subject site:

- Primary Steel, Inc. located adjacent to the north and cross- to up-gradient of Parcel B, is listed as a LUST site and a State spill site due to the release from a 10,000-gallon fuel oil UST in 1997. In addition, Primary Steel has eight (8) registered USTs, five of which were installed in 1974 and removed in 1990. The three tanks currently used are reported to have been installed in June 1981.

- Town & Country Auto Sales, located adjacent to the north and cross- to up-gradient of the subject parcels, is listed as a Small Quantity Generator of hazardous waste and as suspected State hazardous waste site due to a Form I filing in 1998. A hydraulic oil

release from an underground transformer or capacitor was reported for Town & Country Auto Sales in 1996. Lastly, four USTs are registered to Town & Country Auto Sales. The registered USTs consist of three tanks installed in July 1995, two of which were removed in September 1984. The fourth UST was installed in June 1984 and is reported to be currently in use.

- Maaco Auto Painting, located approximately 0.1 miles north and cross- to up-gradient of the subject site, is listed as a suspected State hazardous waste site due to a Form III filing in 1995.

- Ziebart Rustproofing, located approximately 0.1 miles north and cross-gradient of the subject parcels, is listed as a suspected State hazardous waste site due to a Form I transfer filing in 1994.

- Middletown Toyota, Inc., located adjacent to the south and cross- to up-gradient of the subject parcels, is listed as a Small Quantity Generator of hazardous waste.

B Recommendations

1. HRP recommends that appropriate environmental legal counsel be retained to review the status of the subject site in regards to any applicable Federal, State, and municipal regulations, including, but not limited to, the following: the RCRA Corrective Action program, the CERCLIS program, the Transfer Act and the site's 9/9/99 ECAF filing under the voluntary remediation program, and the CT DEP delegation of the site to an LEP.

2. HRP recommends that knowledgeable person or persons who are familiar with the historical processes, raw material storage, and waste management practices, including solid waste management practices (i.e. use and locations of former refuse dumpsters), associated with the former chemical distribution operations which occupied the site be identified and contacted for information regarding historical industrial practices and potential sources of environmental contamination. Such persons should include former employees and/or owners of Philipp Bros. Chemicals, Inc., the Portland Chemical Works, and the Hampden Mathieu Corporation.

3. HRP recommends that any additional CT DEP or Woodard & Curran documentation pertaining to the on-site investigative or remedial activities be made available for review.

4. HRP recommends a dye-test to determine which, if any, of the on-site catch basins and the oil/water separator discharge to the culvert outfall.

5. HRP recommends that the site be evaluated for the possible presence of unused USTs and/or additional large quantities of buried debris via site-screening with geophysical instrumentation.

6. Subsequent to the geophysical survey, HRP recommends Phase II and Phase III subsurface investigations for the subject property. It is recommended that the investigations include a soil-gas survey(s), Geoprobe® investigation(s), installation of monitoring wells, and sampling program that includes the site's soil, sediment, ground water, and surface water as well as any waste material which remains on-site from the January 2001 clean-up activities.

VIII VIII. LIMITATIONS ON WORK PRODUCT

All work product and reports provided by HRP in connection with the performance of any phase of Environmental Site Assessments, and any services related to remedial action, including all work performed under this Agreement for Professional Services and any follow-up work is subject to the following limitations.

A. The observations described in the Project Report(s) are made under the stated conditions. The conclusions presented in the Report(s) are based solely upon the indicated services, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client. The work described in Project Report(s) is carried out in accordance with the Agreement for Professional Services.

B. In preparing Project Reports, HRP relies on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available to HRP at the time of the site assessment. To the extent that such files are missing, incomplete or not provided to HRP, HRP is not responsible. Although there may be some degree of overlap in the information provided by these various sources, HRP does not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

C. Observations are made of the site and of structures on the site as indicated within the Project Report(s). Where access to portions of the site or to structures on the site is unavailable or limited, HRP renders no opinion as to the presence of potential contamination by hazardous substances, wastes or petroleum and chemical products and wastes. In addition, HRP renders no opinion as to the presence of indirect evidence relating to potential contamination by hazardous substances, wastes or petroleum and chemical products or wastes where direct observation of the interior walls, floors, or ceilings of a structure on a site is obstructed by objects or coverings on or over these surfaces.

D. Unless otherwise specified in the Project Report(s), HRP does not perform testing or analyses to determine the presence or concentration of asbestos or polychlorinated biphenyls (PCBs), lead paint, urea formaldehyde foam insulation (UFFI), wetlands, regulatory compliance, cultural and historical risks, industrial hygiene, health & safety, ecological resources, endangered species, indoor air quality, high voltage power lines, or radon at the site or in the environment of the site. No soil scientists have been retained to identify wetland areas unless otherwise indicated.

E. The purpose of the Project Report(s) is to assess the physical characteristics of the subject site with respect to the potential presence in the site soil, ground water or surface water environment of contamination by hazardous substances, hazardous waste or petroleum and chemical products and wastes. HRP has not confirmed the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

F. If the conclusions and recommendations contained in the Project Report(s) are based in part upon the data obtained from a limited number of soil, ground water, or

surface water samples obtained from widely spaced surface or subsurface explorations; then the nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to re-evaluate the conclusions and recommendations of the Project Report(s).

G. If water level readings are made in test pits, borings, and/or observation wells; these observations are made at the times and under the conditions stated on the test pit or boring logs or in the Project Report(s). However, it must be noted that fluctuations in the level of ground water may occur due to variations in rainfall, passage of time and other factors. Should additional data become available in the future, these data may alter the basis of conclusions and recommendations presented in the Project Report(s).

H. Except as noted within the text of the Project Report(s), no quantitative laboratory testing is performed as part of the site assessment. Where such analyses have been conducted by an outside laboratory, HRP has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these tests.

I. If the conclusions and recommendations contained in the Project Report(s) are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) are reviewed and interpretations made in the Project Report(s). If indicated within the Project Report(s), some of these data may be preliminary "screening" level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data may alter the basis of the conclusions and recommendations presented in the Project Report(s).

J. Chemical analyses may be performed for specific parameters during the course of this site assessment, as described in the text of the Project Report(s). However, it is understood that additional chemical constituents not searched for during the current study may be present in soil, ground water, or surface water at the site.

K. It is recommended that HRP be retained to provide further hydrogeologic and engineering services during the conduct of further exploration or the construction and/or implementation of any remedial measures recommended in HRP's Project Report(s). This is to allow HRP and the Client to observe consistency with the concepts and recommendations contained therein, and to allow the development of changes to the remedial program in the event that subsurface conditions or other conditions differ from those anticipated.

IX REFERENCES

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2. Connecticut Department of Environmental Protection. 1987. An Inventory of Hazardous Waste Sites in Connecticut and Recommendations for Continuing Action (as amended through 5/25/95).
3. Connecticut Department of Environmental Protection. 1982. Atlas of Public Water Supply Sources and Drainage Basins of Connecticut: Bulletin No. 4.
4. Connecticut Department of Environmental Protection. 1989, rev. 1991. Transfer Act Site Assessment Guidance Document. Hartford, Connecticut. 21 pp.
5. Connecticut Department of Environmental Protection, Water Management Bureau, 1993. Adopted Water Quality Classifications for the Connecticut River and Southcentral Coastal Basins, Connecticut.
6. Connecticut Department of Environmental Protection, Water Management Bureau. 1992. Water Quality Standards (Adopted January 1992; effective date May 15, 1992). 68 pp.
7. Rodgers, John. 1985. Bedrock Geological Map of Connecticut. Connecticut Geological and Natural History Survey. Scale 1:125,000.
8. Stone, J. R. Schafer, J. P. London, E. H. and Thompson, W. H. 1992. Surficial Materials Map of Connecticut. Connecticut Geological and Natural History Survey. Scale 1:125,000.
9. United States Department of Agriculture, Soil conservation Service. 1987. Hydric Soil Map Units - Connecticut. 11 pp.
10. United States Department of Agriculture, Soil Conservation Service. 1979. Soil Survey of Middlesex County.
11. United States Geological Survey. 1965. Photorevised 1992. Middletown Quadrangle. 7.5 minute Series.

Database Listings and Other Information Sources

New England DataMap Technologies, Environmental DataBase Search Report requested on March 13, 2001.

Connecticut Department of Environmental Protection File Search, conducted on May 2 and 3, 2001.

A. Bureau of Water Management
   1. Engineering and Enforcement Division
   2. Mary Jane Dapkus, contacted May 16, 2001

B. Bureau of Waste Management
   1. Waste Engineering and Enforcement Division
      a. Hazardous Waste Program
      b. Manifests
      c. Solid Waste Program
      d. Oil and Chemical Spill Response Division
      e. PCB Files
      f. David Stokes, contacted May 16, 2001
   2. Underground Storage Tank Program

Connecticut Natural Resources Center, Aerial Photographs, 1965-1995, reviewed May 2, 2001.

Connecticut State Library and Archives, Historical Aerial Photographs, 1934 & 1951; city directories for Middletown, Connecticut (1922 to 1989) and city directories for Meriden-Middletown (1993-2000), reviewed May 2, 2001 – June 2, 2001.

EDR – Sanborn (Sanborn Fire Insurance Maps)

City of Middletown Municipal Interviews and/or File Search, conducted on March 29, 2001.

A) Fire Marshal
B) Health Department
C) Building Department*
D) Sewer & Water Department
E) Planning, Conservation & Development*
F) Tax Assessor
G) Town Clerk*

*These municipal offices were also subsequently contacted on May 3, 2001.

TABLES

TABLE1
SOLID WASTE AND SOIL SAMPLES ANALYTICAL RESULTS
The Former Portland Chemical Works
680 Newfield Street, Middletown, Connecticut
HRP #MID6003.P1

Constituent	Drumming-shed Concrete Floor Debris S-4 01/22/01	Drum Sample S7 01/23/01 DEP #1865	Roll Off WCS 01/23/01 DEP #1687	Chemical Manhole 01/23/01
pH	9.1	3.3	7	7.9
Reactive Cyanide-ppm	BDL	BDL	BDL	BDL
Reactive Sulfide-ppm	BDL	BDL	BDL	BDL
Total Cyanide-ppm	BDL	BDL	BDL	BDL
Amenable Cyanide-ppm	BDL	BDL	BDL	BDL
Total PCBs-ppm	BDL	BDL	BDL	BDL
Flash Point-degree Fairenheit	>200	>200	>200	>200
Percent Solids-ppm	75.9	86.8	75.7	86.3
TPH (mg/kg)				
CT ETPH	28.0	BDL	BDL	48
MASS METALS (mg/kg)				
Arsenic	1.3	BDL	4.4	3.9
Barium	59.0	BDL	67	35
Cadmium	BDL	BDL	BDL	BDL
Chromium	12.0	95,500	412	382
Hexavalent Chromium	---	---	7	10
Copper	59.9	50,000	295	164
Lead	12.6	8	10.2	9.5
Mercury	0.37	BDL	BDL	BDL
Nickel	38.0	1.5	15	14
Selenium	BDL	BDL	BDL	BDL
Silver	BDL	0.4	BDL	BDL
Zinc	311.0	2.9	32.5	33.1
SPLP METALS (mg/L)				
Arsenic	BDL	BDL	BDL	BDL
Barium	BDL	BDL	BDL	BDL
Cadmium	BDL	BDL	BDL	BDL
Chromium	BDL	4590	BDL	BDL
Copper	0.01	629	BDL	0.01
Lead	BDL	BDL	BDL	BDL
Mercury	BDL	BDL	BDL	BDL
Nickel	BLD	220	BDL	BDL
Selenium	BDL	BDL	BDL	BDL
Silver	BDL	BDL	BDL	BDL
Zinc	BDL	0.1	BDL	BDL
TCLP METALS (mg/L)				
Arsenic	BDL	BDL	BDL	BDL
Barium	BDL	BDL	BDL	BDL
Cadmium	BDL	BDL	BDL	BDL
Chromium	BDL	4370	0.17	0.05
Copper	0.02	1340	0.71	0.7
Lead	BDL	0.5	0.01	0.013
Mercury	BDL	BDL	BDL	BDL
Nickel	BDL	210	0.05	0.05
Selenium	BDL	BDL	BDL	BDL
Silver	BDL	BDL	BDL	BDL
Zinc	0.32	0.14	BDL	0.19
VOCs - 8260B (ug/kg)				
cis-1,2-Dichloroethylene	BDL	BDL	24	BDL
Trichloroethylene	BDL	BDL	49	BDL

Pcw

TABLE 2
LIQUID WASTE AND SURFACE WATER SAMPLE ANALYTICAL RESULTS
The Former Portland Chemical Works
680 Newfield Street, Middletown, Connecticut
HRP #MID6003.P1

Constituent	Wetland Surface Water		Culvert Outfall		Drum Samples		FRAC TANK
	S-1 01/18/2001	S-1A 01/19/2001	S-2 01/18/2001	S-2A 01/19/2001	S4 01/23/01 DEP #1863	S5 01/23/01 DEP #1862	01/23/2001 DEP #1860
pH	---	---	---	---	<2	<2	4.6
Reactive Cyanide-ppm	---	---	---	---	BDL	BDL	BDL
Reactive Sulfide-ppm	---	---	---	---	BDL	BDL	BDL
Total Cyanide-ppm	---	BDL	---	BDL	BDL	BDL	BDL
Amenable Cyanide-ppm	---	BDL	---	BDL	BDL	---	BDL
Total PCBs-ppm	BDL	---	BDL	---	BDL	BDL	BDL
Flash Point-degree Fairenheit	---	---	---	---	>200	>200	>200
TPH (ug/L)							
CT ETPH	BDL	---	BDL	---	140	260	1490
Total Metals (ug/L)							
Arsenic	BDL	---	BDL	---	BDL	BDL	BDL
Barium	BDL	---	BDL	---	BDL	BDL	BDL
Cadmium	BDL	---	BDL	---	BDL	BDL	8
Chromium	BDL	---	BDL	---	47,300,000	17,700,000	54500
Copper	100	---	20	---	33,900,000	64,200,000	75500
Lead	38	---	BDL	---	6000	5000	16
Mercury	BDL	---	BDL	---	40	BDL	BDL
Nickel	BDL	---	BDL	---	2440000	864000	2530
Selenium	BDL	---	BDL	---	BDL	BDL	BDL
Silver	BDL	---	BDL	---	BDL	BDL	BDL
Zinc	170	---	50	---	68000	18000	530
VOC - 8260B (ug/L)							
Vinyl Chloride	BDL	---	6	---	BDL	BDL	BDL
cis-1,2-Dichloroethylene	BDL	---	11	---	BDL	BDL	BDL
trichloroethylene	BDL	---	1	---	BDL	BDL	BDL
tetrachloroethylene	BDL	---	2	---	BDL	BDL	BDL
MTBE	BDL	---	BDL	---	BDL	BDL	177
SVOCs - 8270C (ug/L)							
Napthalene	BDL	---	BDL	---	BDL	BDL	72

FIGURES

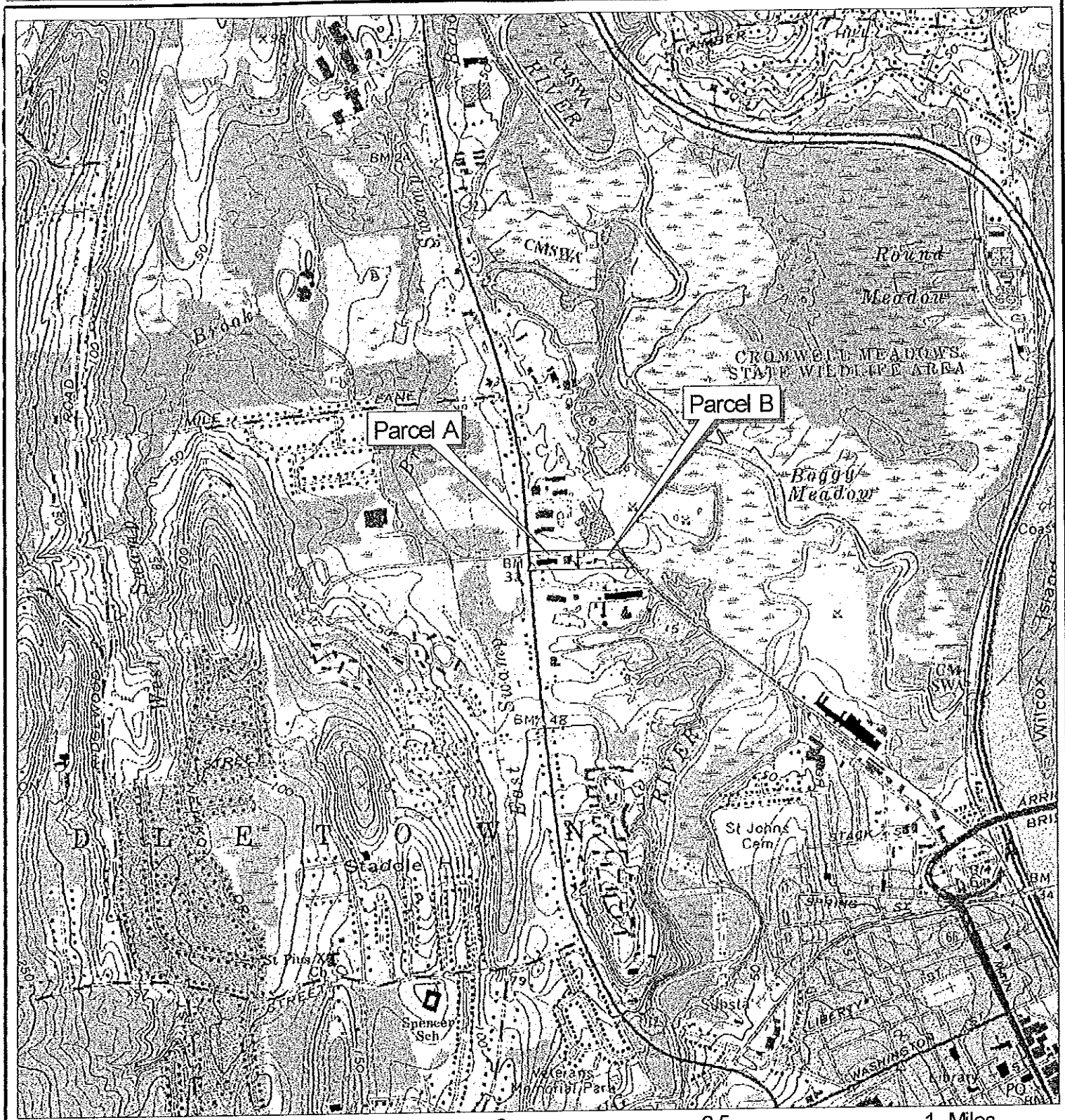
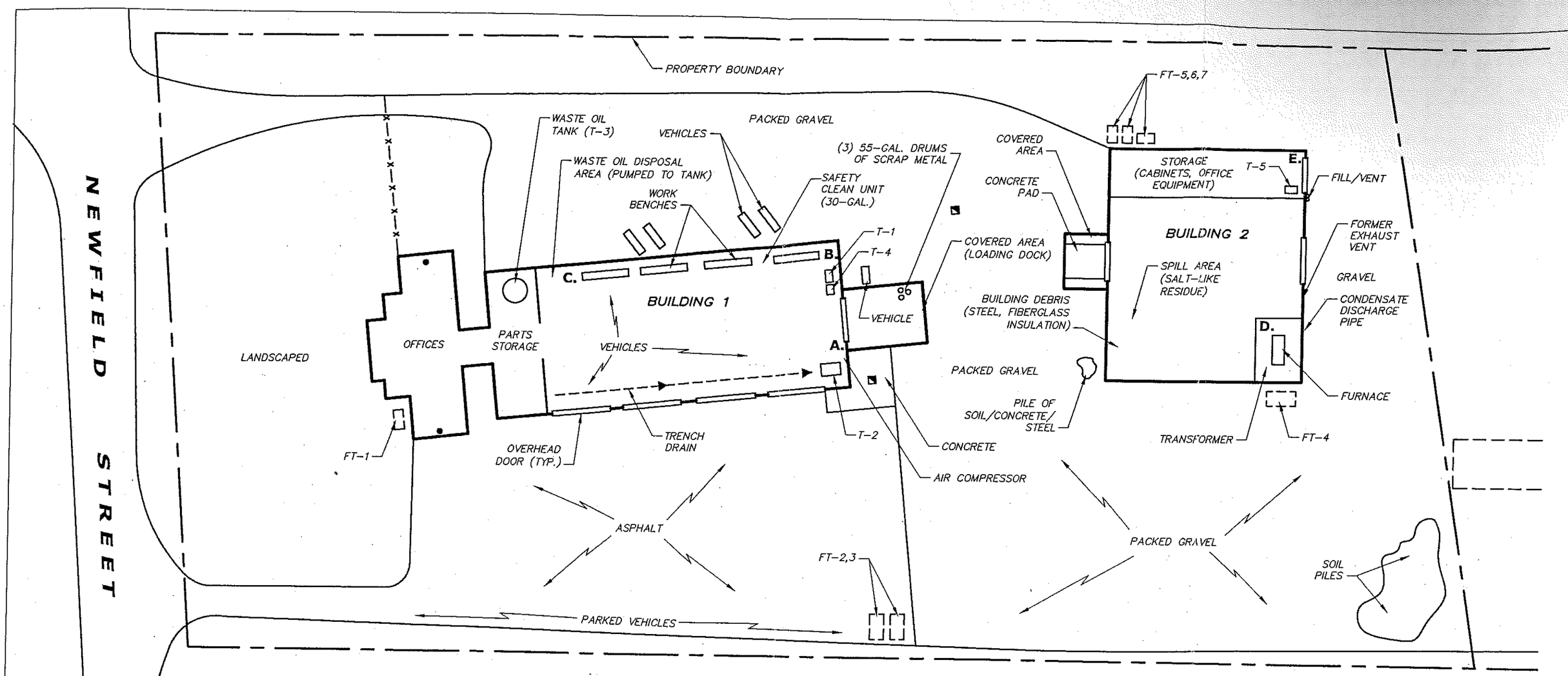


Figure 1 - Site Location
Parcels A and B
680 Newfield Street
Middletown, Connecticut
HRP# MID6003.P1
04 April 2001



A. – (4) BATTERIES, (1) 5-GALLON PAIL OF GEAR OIL
B. – (1) 55-GALLON DRUM OF GREASE
C. – (2) 55-GALLON DRUMS OF WASTE ANTIFREEZE
D. – FORMER FURNACE ROOM (PIPING, FURNACE, METAL DEBRIS)
E. – WASH SINK/HOT WATER HEATER

LEGEND

- ● – FLOOR-DRAIN AND ASSOCIATED CLEAN-OUT (BASEMENT LEVEL)
- ◪ – CATCH BASIN
- T-1 – EXISTING TANK
- FT-1 – FORMER TANK

40 0 10 20 30 40
APPROXIMATE SCALE
(1" = 40')

FIGURE 3
SITE DETAIL
PARCEL A
680 NEWFIELD STREET
MIDDLETOWN, CONNECTICUT
HRP# MID6003.P1
SCALE: 1"=40' ±

L:\DWG\MID6003P1\FIGURE3

HRP ASSOCIATES, INC.
167 New Britain Avenue
Plainville, CT 06062
(860) 793-6899
FAX: (860) 793-6871
www.hrpassoc.com

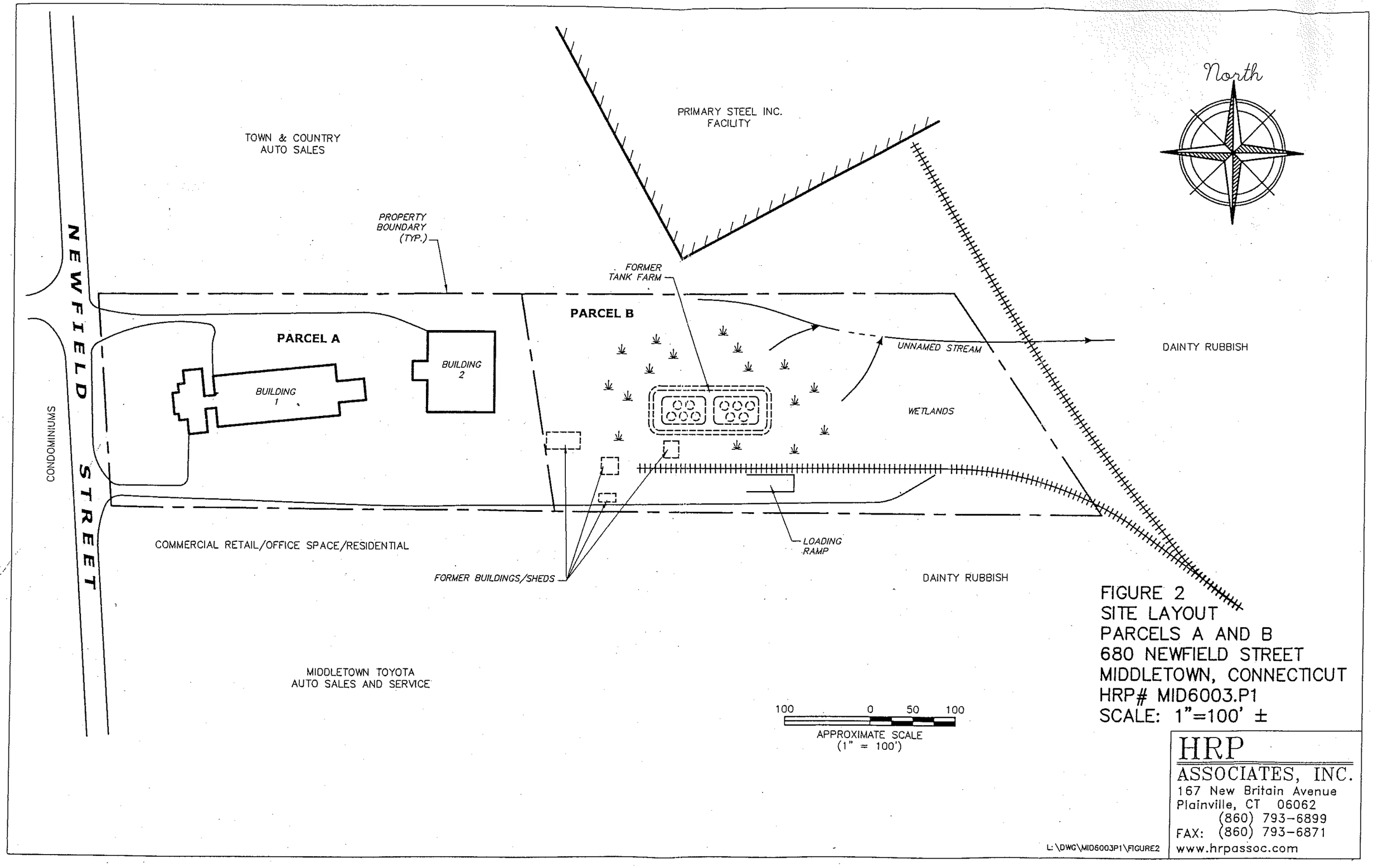


FIGURE 2
SITE LAYOUT
PARCELS A AND B
680 NEWFIELD STREET
MIDDLETOWN, CONNECTICUT
HRP# MID6003.P1
SCALE: 1"=100' ±

L:\DWG\MID6003P1\FIGURE2

HRP
ASSOCIATES, INC.
167 New Britain Avenue
Plainville, CT 06062
(860) 793-6899
FAX: (860) 793-6871
www.hrpassoc.com

L:\DWG\MID6003P1\FIGURE4

HRP
ASSOCIATES, INC.
167 New Britain Avenue
Plainville, CT 06062
(860) 793-6899
FAX: (860) 793-6871
www.hrpassoc.com

FIGURE 4
SITE DETAIL
PARCEL B
680 NEWFIELD STREET
MIDDLETOWN, CONNECTICUT
HRP# MID6003.P1
SCALE: 1"=50' ±

North

50 0 25 50
APPROXIMATE SCALE
(1" = 50')

LEGEND
- OBSERVED GROUNDWATER MONITORING WELLS
- ROLL-OFF DUMPSTERS CONTAINING CONTAMINATED SOIL

PRIMARY STEEL, INC.
FACILITY

DEBRIS AREA
FENCING
CULVERT OUTFALL
PARCEL A
TEST PIT TRENCHES
WETLANDS
DEBRIS TRENCH
FORMER ABOVE-GROUND TANK FARM
UNNAMED STREAMS
BUILDING 2
FORMER CHEMICAL MANHOLE
WETLANDS
FORMER LOADING RACK
FORMER ABOVEGROUND PIPE LINES
RAILROAD SPUR
FORMER DRUM FILLING BUILDING
FORMER FLOOR DRAIN TO CHEMICAL MANHOLE
PROPERTY BOUNDARY
SOIL PILES
FORMER STORAGE SHEDS
ROLL-OFF TRAILER (TYP.)
COVERED SOIL PILE
LOADING RAMP (CONCRETE)
CONCRETE DEBRIS

APPENDIX A

QUALIFICATIONS OF KEY ENVIRONMENTAL PROFESSIONALS WHO COMPLETED THIS PROJECT

JASON COITE

Project Geologist

AREAS OF EXPERTISE

Mr. Coite is a Project Geologist for HRP Associates, Inc. In his capacity as a project geologist, he is responsible for the following tasks:

- Phase I Environmental Site Assessments
- Phase II subsurface investigations
- Connecticut Department of Transportation (CT DOT) Task 110 and 210
- Familiarity with Connecticut Remediation Standard Regulations

SPECIFIC EXPERIENCE

Specifically, Mr. Coite has been responsible for the following projects:

Phase I Environmental Site Assessments

- Physical inspection of sites and the site vicinity, noting specific environmental concerns.
- Interview with site contacts, municipal, State, Federal officials with regard to past and present site uses and environmental concern.
- Research into past and present land uses through review of aerial photographs and other published sources.
- Review of published geologic data to evaluate site soil, ground water and surface water contamination potential.

Phase II Subsurface Investigations

- Identification of potential contamination sources at sites due to present and historical land uses.
- Subsurface investigation of suspected contaminated sites and/or surrounding properties.
- Collection, description and interpretation of split spoon sediment samples.

Other Experience

In the course of his career, Mr. Coite has also performed the following duties:

- Collecting groundwater and surface water samples to be analyzed for TPH, VOCs, and trace metals
- Soil gas sampling
- Groundwater hydraulic conductivity analysis and synthesis

EDUCATION

1999 B.S. Geomechanics, University of Rochester, Rochester, New York

1999 OSHA 40-Hour Hazardous Waster Operations and Emergency Response

2000 Continuing Education, University of Hartford

HOWARD S. HURD, C.P.G., L.E.P.

Associate Vice President

AREAS OF EXPERTISE

Mr. Hurd has been a Project Manager for HRP Associates, Inc. since 1988, a Senior Project Manager since 1994, and an Associate Vice President since 2001. Prior to that time, Mr. Hurd was a Senior Project Geologist. As an Associate Vice President, he is responsible for management of the following tasks:

- Supervision of his geological services investigation team, including two Project Managers and four Project Geologists
- Phase I Environmental Site Assessments, Phase II Subsurface Investigations, Phase III Hydrogeologic Investigations
- Periodic Ground Water Monitoring
- Remedial Investigations, Remedial Action Implementations
- Aquifer testing
- Surface and Downhole Geophysical investigations
- Ground Water Modelling

In addition, Mr. Hurd has provided expert witness testimony on a variety of environmental technical issues.

SPECIFIC EXPERIENCE

Phase I Environmental Site Assessments, Phase II Subsurface Investigations, Phase III Hydrogeologic Investigations

Mr. Hurd has supervised the conduct of Phase I, Phase II and Phase III environmental investigations at hundreds of sites, including governmental, industrial, commercial and agricultural sites. Specific tasks performed include the conduct and supervision of:

- physical site inspections, site characterizations
- aerial reconnaissance
- regulatory agency records reviews
- test boring and monitoring well installation programs
- geotechnical investigations
- soil gas surveys
- soil, ground water, surface water, sediment and waste sampling programs
- surface geophysical surveys; seismic, ground penetrating radar, terrain conductivity, resistivity, magnetometry
- borehole geophysical logging; natural gamma, magnetic, resistivity, caliper, imaging
- compilation and evaluation of geophysical, geologic and hydrogeologic data
- ground water modelling
- lead paint screening surveys
- asbestos surveys
- interface with regulatory agencies, negotiating consent orders
- electrical equipment/PCB sampling

Remedial Investigations/Remedial Action Implementation

Mr. Hurd has performed and supervised remedial investigations and remedial action implementation for a variety of industrial and commercial sites, including U.S. EPA Superfund sites. Specific tasks have included:

- design of remedial investigations
- supervision of remedial investigations
- aquifer characteristics testing; slug tests, yield tests, pump tests
- identification and evaluation of remedial action alternatives
- design of remedial actions
- ground water modelling of remedial options
- supervision of various remedial actions, including contaminated media and hazardous waste excavation and disposal, stabilization, soil vapor extraction, ground water recovery, ground water treatment, product recovery, product separation, dual phase vacuum extraction, vacuum enhanced ground water recovery, bioventing
- coordination of remedial activities with regulatory agencies
- CERCLA and RCRA remedial investigations

Specific examples of these tasks include the following:

Hydrogeologic Investigation/Remedial Action, Specialty Chemical Research, Development and Production Testing Facility

This project involved the design and implementation of a subsurface hydrogeological investigation to determine the source, degree and extent of site soil and groundwater contamination. This investigation included soil gas survey, ground penetrating radar, groundwater monitoring wells, and soil and groundwater sampling and analysis. The comprehensive remedial program includes groundwater recovery and treatment, soil vapor extraction, two phase vacuum recovery and DNAPL recovery.

Subsurface Hydrogeological Investigation, Apparel Manufacturing Facility

This project involved a subsurface hydrogeological investigation of lead contaminated soil and halogenated volatile organic contaminated soil and groundwater. A Phase I, II, and III investigation were performed on the site. On-site remediation including soil venting and ground water recovery and treatment was recommended to mitigate the problem.

Typical sites Mr. Hurd has performed work at include:

- uncontrolled hazardous waste sites/Superfund sites
- chemical research and development facilities
- aerospace manufacturing facilities
- municipal landfills
- industrial landfills
- resource recovery ash landfills
- various chemical manufacturers

- contaminated municipal well field
- military installations
- state transportation corridors
- above ground and underground storage tanks farms
- retail petroleum facilities
- machine tool manufacturers
- metal plating facilities
- various other industrial, commercial, residential and agricultural parcels

EDUCATION

1980 B.S. University of Rhode Island, Geology

1981-1983 University of Rhode Island, graduate studies in geology, geophysics, hydrogeology

1993-1994 University of Hartford, graduate studies in organic and environmental chemistry

1999 M.S. Rensselear Polytechnic Institute, Environmental Management

PUBLICATIONS

Leach, R., Hurd, H., Goodno, J. "Investigation and Remediation of Petroleum Based Solvent Contamination in a Shallow Bedrock Aquifer". Proceedings of the Focus Conference on Eastern Regional Ground Water Issues, Maine, October, 1991.

Hurd, H. and Washburn, B. "Site Consideration in Contaminant Investigations of Fractured Bedrock Aquifers: Three Case Studies." Proceedings of the Focus Conference on Eastern Regional Ground Water Issues, Vermont, September, 1993.

Titus, Daniel D., Hurd, Howard S: "A Degree and Extent Chracterization Study of a Chromium and Trichloroethylene Contaminated Aquifer in Central Connecticut." The Thirty-First Industrial and Hazardous Waste Conference Abstracts with Programs, 1999.

AFFILIATIONS

Association of Engineering Geologists (AEG)

Connecticut Ground Water Association (CGA)

Environmental Professionals of Connecticut (EPOC)

American Institute of Professional Geologists (AIPG),
Certified Professional Geologist (C.P.G. #9430)

Connecticut Licensed Environmental Professional (L.E.P. #155)

CONTINUING EDUCATION

- *Dale Carnegie Management Seminars*
- *Geophysics for Hazardous Waste Site Investigations*
- *Contamination and the Constructed Project*
- *Ground Water Treatment Technology*
- *Environmental Issues of the 1990s*
- *Health Risk Characterization & Soil Clean-up Criteria*
- *Contemporary Investigative Techniques*
- *Connecticut Lead Paint Regulations*
- *Keys to Entering the Environmental Market*
- *Dynflow/Dyntrak Ground Water Modeling*
- *Major Revisions to the Connecticut Transfer Act*
- *Professionalism and Professional Ethics*
- *Site Characterization and Data Interpretation*
- *Waste Treatment via Thermal Desorption*
- *Statistics for Environmental Professionals*
- *Hydrogeologist and the Remedial Design Process*
- *Organic Method Selection*
- *Biostimulation of Aquifers Using Oxygen Release Compounds*
- *Contaminated Sediment Management Program Teleconference*
- *Various Industrial, Hazardous Waste and Environmental Conferences*

APPENDIX B

LABORATORY ANALYTICAL RESULTS
FOR SAMPLES COLLECTED BY HRP DURING THE JANUARY 2001
EMERGENCY CLEAN-UP

Date Samples Received: 1/23/01

Client Name : HRP Associates, Inc.	CTL Lab No. : 101290
Report Date : 2/01/01	PO/ Job No. : MID6003.RA

RESULTS OF ANALYSIS

Total Metals

Matrix Type :	**W**	**W**
CTL Sample No.	**1156**	**1157**
Field ID :	**S4**	**S5**
	DEP #1863	**DEP #1862**

Parameters	MDL				
Arsenic-mg/L	5	BDL	BDL		
Barium-mg/L	5	BDL	BDL		
Cadmium-mg/L	5	BDL	BDL		
Chromium, Total-mg/L	5	47,300	17,700		
Lead-mg/L	0.5	6.0	5.0		
Mercury-mg/L	0.02	0.04	BDL		
Selenium-mg/L	1	BDL	BDL		
Silver-mg/L	2	BDL	BDL		
Copper-mg/L	5	33,900	64,200		
Nickel-mg/L	0.5	2,440	864		
Zinc-mg/L	0.5	68.0	18.0		

Matrix Type :	**W**	**W**
CTL Sample No.	**1156**	**1157**
Field ID :	**S4**	**S5**
	DEP #1863	**DEP #1862**

Parameters	MDL				EPA Method No.
pH	0.1	<2	<2		9045C
CT ETPH-mg/L	0.10	0.14	0.26		----
Reactive Cyanide-mg/L	1	BDL	BDL		9010B
Reactive Sulfide-mg/L	50	BDL	BDL		9030B
Cyanide, Total-mg/L	1	BDL	BDL		9010B
Cyanide, Amenable-mg/L	50	BDL	*		9010B
Total PCBs-ppb	1	BDL	BDL		8082
Flash Point °F	Ambient	>200	>200		1010

* Unable to determine due to matrix interference.

MDL= Minimum Detectable Level BDL= Below Detection Level

Matrix Type: W = Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Date Samples Received: 1/23/01

Client Name : HRP Associates, Inc.	CTL Lab No. : 101290
Report Date : 2/01/01	PO/ Job No. : MID6003.RA

RESULTS OF ANALYSIS

Total Metals

Matrix Type : W
CTL Sample No. 1161
Field ID : Frac Tank
DEP #1860

Parameters	MDL				
Arsenic-mg/L	0.05	BDL			
Barium-mg/L	0.5	BDL			
Cadmium-mg/L	0.005	0.008			
Chromium, Total-mg/L	0.05	54.5			
Lead-mg/L	0.005	0.016			
Mercury-mg/L	0.002	BDL			
Selenium-mg/L	0.01	BDL			
Silver-mg/L	0.01	BDL			
Copper-mg/L	0.01	75.5			
Nickel-mg/L	0.05	2.53			
Zinc-mg/L	0.05	0.53			

Matrix Type : W
CTL Sample No. 1161
Field ID : Frac Tank
DEP #1860

Parameters	MDL				EPA Method No.
pH	0.1	4.6			9045C
CT ETPH-mg/L	0.10	1.49			----
Reactive Cyanide-mg/L	1	BDL			9010B
Reactive Sulfide-mg/L	10	BDL			9030B
Cyanide, Total-mg/L	1	BDL			9010B
Cyanide, Amenable-mg/L	1	BDL			9010B
Total PCBs-ppb	1	BDL			8082
Flash Point °F	Ambient	>200			1010

MDL= Minimum Detectable Level BDL= Below Detection Level

Matrix Type: W = Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Date Samples Received: 1/23/01

Client Name : HRP Associates, Inc.	CTL Lab No. : 101290
Report Date : 2/01/01	PO/ Job No. : MID6003.RA

RESULTS OF ANALYSIS

Mass Analysis EPA 3050B

Matrix Type : S
CTL Sample No. 1158
Field ID : S-7
DEP #1865

Parameters	MDL				
Arsenic-mg/kg	1.0	BDL			
Barium-mg/kg	5	BDL			
Cadmium-mg/kg	0.5	BDL			
Chromium, Total-mg/kg	5	95,500			
Lead-mg/kg	0.5	8.0			
Mercury-mg/kg	0.02	BDL			
Selenium-mg/kg	0.5	BDL			
Silver-mg/kg	0.2	0.4			
Copper-mg/kg	5	50,000			
Nickel-mg/kg	0.5	1.5			
Zinc-mg/kg	0.5	2.9			

Matrix Type : S
CTL Sample No. 1158
Field ID : S-7
DEP #1865

Parameters	MDL				EPA Method No.
pH*	0.1	3.3			9045C
CT ETPH-mg/kg	25	BDL			----
Reactive Cyanide-ppm	1	BDL			9010B
Reactive Sulfide-ppm	50	BDL			9030B
Cyanide, Total-ppm	1	BDL			9010B
Cyanide, Amenable-ppm	1	BDL			9010B
Total PCBs-ppm	1	BDL			8082
Flash Point °F	Ambient	>200			1010
Total Solids-%	0.1	86.8			----

* This analysis was performed on a 10% by weight aliqout of the sample diluted in DI water.

MDL= Minimum Detectable Level BDL = Below Detection Level

Matrix Types: W = Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Date Samples Received: 1/23/01

Client Name : HRP Associates, Inc.	CTL Lab No. : 101290
Report Date : 2/01/01	PO/ Job No. : MID6003.RA

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type : S
CTL Sample No. 1158
Field ID : S-7
DEP #1865

Parameters	MDL				
Arsenic-mg/L	0.5	BDL			
Barium-mg/L	5	BDL			
Cadmium-mg/L	0.05	BDL			
Chromium, Total-mg/L	5	4,370			
Lead-mg/L	0.5	0.5			
Mercury-mg/L	0.002	BDL			
Selenium-mg/L	0.1	BDL			
Silver-mg/L	0.02	BDL			
Copper-mg/L	5	1,340			
Nickel-mg/L	5	210			
Zinc-mg/L	0.05	0.14			

SPLP EPA 1312

Matrix Type : S
CTL Sample No. 1158
Field ID : S-7
DEP #1865

Parameters	MDL				
Arsenic-mg/L	0.5	BDL			
Barium-mg/L	5	BDL			
Cadmium-mg/L	0.05	BDL			
Chromium, Total-mg/L	5	4,590			
Lead-mg/L	0.5	BDL			
Mercury-mg/L	0.002	BDL			
Selenium-mg/L	0.1	BDL			
Silver-mg/L	0.02	BDL			
Copper-mg/L	5	629			
Nickel-mg/L	5	220			
Zinc-mg/L	0.05	0.10			

MDL= Minimum Detectable Level BDL= Below Detection Level

Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Date Samples Received: 1/23/01

Client Name : HRP Associates, Inc.	CTL Lab No. : 101290
Report Date : 2/01/01	PO/ Job No. : MID6003.RA

RESULTS OF ANALYSIS

Mass Analysis EPA 3050B

Matrix Type :	S	S
CTL Sample No.	1159	1160
Field ID :	Roll Off	Chemical
	WCS	Manhole
	DEP #1867	

Parameters	MDL				
Arsenic-mg/kg	1.0	4.4	3.9		
Barium-mg/kg	5	67	35		
Cadmium-mg/kg	0.5	BDL	BDL		
Chromium, Total-mg/kg	0.5	412	382		
Lead-mg/kg	0.5	10.2	9.5		
Mercury-mg/kg	0.02	BDL	BDL		
Selenium-mg/kg	0.5	BDL	BDL		
Silver-mg/kg	0.2	BDL	BDL		
Copper-mg/kg	0.5	295	164		
Nickel-mg/kg	0.5	15.0	14.0		
Zinc-mg/kg	0.5	32.5	33.1		

Matrix Type :	S	S
CTL Sample No.	1159	1160
Field ID :	Roll Off	Chemical
	WCS	Manhole
	DEP #1867	

Parameters	MDL				EPA Method No.
pH*	0.1	7.0	7.9		9045C
CT ETPH-mg/kg	25	BDL	48		----
Reactive Cyanide-ppm	1	BDL	BDL		9010B
Reactive Sulfide-ppm	50	BDL	BDL		9030B
Cyanide, Total-ppm	1	BDL	BDL		9010B
Cyanide, Amenable-ppm	1	BDL	BDL		9010B
Total PCBs-ppm	1	BDL	BDL		8082
Flash Point °F	Ambient	>200	>200		1010
Total Solids-%	0.1	75.7	86.3		----

* This analysis was performed on a 10% by weight aliqout of the sample diluted in DI water.

MDL= Minimum Detectable Level BDL = Below Detection Level

Matrix Types: W = Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Date Samples Received: 1/23/01

Client Name : **HRP Associates, Inc.**	CTL Lab No. : 101290
Report Date : 2/01/01	PO/ Job No. : MID6003.RA

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type :	**S**	**S**
CTL Sample No.	**1159**	**1160**
Field ID :	**Roll Off**	**Chemical**
	WCS	**Manhole**
	DEP #1867	

Parameters	MDL				
Arsenic-mg/L	0.5	BDL	BDL		
Barium-mg/L	0.5	BDL	BDL		
Cadmium-mg/L	0.005	BDL	BDL		
Chromium, Total-mg/L	0.05	0.17	0.05		
Lead-mg/L	0.005	0.010	0.013		
Mercury-mg/L	0.002	BDL	BDL		
Selenium-mg/L	0.1	BDL	BDL		
Silver-mg/L	0.01	BDL	BDL		
Copper-mg/L	0.01	0.71	0.70		
Nickel-mg/L	0.01	0.05	0.05		
Zinc-mg/L	0.05	BDL	0.19		

SPLP EPA 1312

Matrix Type :	**S**	**S**
CTL Sample No.	**1159**	**1160**
Field ID :	**Roll Off**	**Chemical**
	WCS	**Manhole**
	DEP #1867	

Parameters	MDL				
Arsenic-mg/L	0.5	BDL	BDL		
Barium-mg/L	0.5	BDL	BDL		
Cadmium-mg/L	0.005	BDL	BDL		
Chromium, Total-mg/L	0.05	BDL	BDL		
Lead-mg/L	0.005	BDL	BDL		
Mercury-mg/L	0.002	BDL	BDL		
Selenium-mg/L	0.1	BDL	BDL		
Silver-mg/L	0.01	BDL	BDL		
Copper-mg/L	0.01	BDL	0.01		
Nickel-mg/L	0.01	BDL	BDL		
Zinc-mg/L	0.05	BDL	BDL		

MDL= Minimum Detectable Level BDL= Below Detection Level
Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Client Name : HRP Associates, Inc.
CTL Lab No.: 101290 Date Analyzed: 1/25/01
Job/PO No. : MID6003.RA Analyst: SR
Report Date : 2/01/01

EPA METHOD 8260B GC/MS Date Samples Rec'd: 1/23/01

	**	**	**
Matrix Type	**W**	**W**	**W**
CTL Sample No.	**1156**	**1157**	**1161**
Field ID :	**S4**	**S5**	**Frac. Tank**
	DEP #1863	**DEP #1865**	**DEP #1866**

Results of Analysis

Parameters	MDL				
Dichlorodifluoromethane	1	BDL	BDL	BDL	
Chloromethane	1	BDL	BDL	BDL	
Vinyl chloride	1	BDL	BDL	BDL	
Chloroethane	1	BDL	BDL	BDL	
Bromomethane	1	BDL	BDL	BDL	
Trichlorofluoromethane	1	BDL	BDL	BDL	
1,1-Dichloroethylene	1	BDL	BDL	BDL	
Methylene chloride	1	BDL	BDL	BDL	
t-1,2-Dichloroethylene	1	BDL	BDL	BDL	
1,1-Dichloroethane	1	BDL	BDL	BDL	
2,2-Dichloropropane	1	BDL	BDL	BDL	
cis-1,2-Dichloroethylene	1	BDL	BDL	BDL	
Chloroform	1	BDL	BDL	BDL	
Bromochloromethane	1	BDL	BDL	BDL	
1,1,1-Trichloroethane	1	BDL	BDL	BDL	
1,1-Dichloropropylene	1	BDL	BDL	BDL	
Carbon tetrachloride	1	BDL	BDL	BDL	
Benzene	1	BDL	BDL	BDL	
1,2-Dichloroethane	1	BDL	BDL	BDL	
Trichloroethylene	1	BDL	BDL	BDL	
1,2-Dichloropropane	1	BDL	BDL	BDL	
Bromodichloromethane	1	BDL	BDL	BDL	
Dibromomethane	1	BDL	BDL	BDL	
cis-1,3-Dichloropropylene	1	BDL	BDL	BDL	
Toluene	1	BDL	BDL	BDL	
t-1,3-Dichloropropylene	1	BDL	BDL	BDL	
1,1,2-Trichloroethane	1	BDL	BDL	BDL	
Tetrachloroethylene	1	BDL	BDL	BDL	
1,3-Dichloropropane	1	BDL	BDL	BDL	
Dibromochloromethane	1	BDL	BDL	BDL	
1,2-Dibromoethane (EDB)	1	BDL	BDL	BDL	
Chlorobenzene	1	BDL	BDL	BDL	
Ethylbenzene	1	BDL	BDL	BDL	
1,1,1,2-Tetrachloroethane	1	BDL	BDL	BDL	
p/m-Xylene	1	BDL	BDL	BDL	
o-Xylene	1	BDL	BDL	BDL	

**MDL= 100 times the level indicated.

MDL= Minimum Detectable Level BDL= Below Detection Level Units= ppb

Matrix Types: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Client Name : **HRP Associates, Inc.**
CTL Lab No.: 101290 — Date Analyzed: 1/25/01
Job/PO No. : MID6003.RA — Analyst: SR
Report Date : 2/01/01

EPA METHOD 8260B GC/MS — Date Samples Rec'd: 1/23/01

	**	**	**
Matrix Type	W	W	W
CTL Sample No.	1156	1157	1161
Field ID :	S4	S5	Frac. Tank
	DEP #1863	DEP #1865	DEP #1866

Results of Analysis

Parameters	MDL				
Styrene	1	BDL	BDL	BDL	
Bromoform	1	BDL	BDL	BDL	
Isopropylbenzene	1	BDL	BDL	BDL	
1,1,2,2-Tetrachloroethane	1	BDL	BDL	BDL	
Bromobenzene	1	BDL	BDL	BDL	
1,2,3-Trichloropropane	1	BDL	BDL	BDL	
n-Propylbenzene	1	BDL	BDL	BDL	
2-Chlorotoluene	1	BDL	BDL	BDL	
1,3,5-Trimethylbenzene	1	BDL	BDL	BDL	
4-Chlorotoluene	1	BDL	BDL	BDL	
tert-Butylbenzene	1	BDL	BDL	BDL	
1,2,4-Trimethylbenzene	1	BDL	BDL	BDL	
sec-Butylbenzene	1	BDL	BDL	BDL	
p-Isopropyltoluene	1	BDL	BDL	BDL	
1,3-Dichlorobenzene	1	BDL	BDL	BDL	
1,4-Dichlorobenzene	1	BDL	BDL	BDL	
n-Butylbenzene	1	BDL	BDL	BDL	
1,2-Dichlorobenzene	1	BDL	BDL	BDL	
1,2-Dibromo-3-chloropropane	1	BDL	BDL	BDL	
1,2,4-Trichlorobenzene	1	BDL	BDL	BDL	
Hexachlorobutadiene	10	BDL	BDL	BDL	
Naphthalene	10	BDL	BDL	BDL	
1,2,3-Trichlorobenzene	1	BDL	BDL	BDL	
Methyl ethyl ketone	10	BDL	BDL	BDL	
Methyl butyl ketone	10	BDL	BDL	BDL	
Methyl isobutyl ketone	10	BDL	BDL	BDL	
MTBE	1	BDL	BDL	177.0	

**MDL= 100 times the level indicated.

MDL= Minimum Detectable Level BDL= Below Detection Level Units= ppb

Matrix Types: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Client Name : HRP Associates, Inc.	Date Extracted: 1/25/01
CTL Lab No.: 101290	Date Analyzed: 1/25/01
Job/PO No. : MID6003.RA	Analyst: SR
Report Date : 2/01/01	

EPA METHOD 8260B GC/MS

Date Samples Rec'd: 1/23/01

	*		
Matrix Type	**S**	**S**	**S**
CTL Sample #:	**1158**	**1159**	**1160**
Field ID :	**S7**	**Roll Off**	**Chemical**
	DEP #1865	**WCS**	**Manhole**
		DEP #1867	

Results of Analysis

Parameters	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	
Chloromethane	10	BDL	BDL	BDL	
Vinyl chloride	10	BDL	BDL	BDL	
Chloroethane	10	BDL	BDL	BDL	
Bromomethane	10	BDL	BDL	BDL	
Trichlorofluoromethane	10	BDL	BDL	BDL	
1,1-Dichloroethylene	10	BDL	BDL	BDL	
Methylene chloride	10	BDL	BDL	BDL	
t-1,2-Dichloroethylene	10	BDL	BDL	BDL	
1,1-Dichloroethane	10	BDL	BDL	BDL	
2,2-Dichloropropane	10	BDL	BDL	BDL	
cis-1,2-Dichloroethylene	10	BDL	24.0	BDL	
Chloroform	10	BDL	BDL	BDL	
Bromochloromethane	10	BDL	BDL	BDL	
1,1,1-Trichloroethane	10	BDL	BDL	BDL	
1,1-Dichloropropylene	10	BDL	BDL	BDL	
Carbon tetrachloride	10	BDL	BDL	BDL	
Benzene	10	BDL	BDL	BDL	
1,2-Dichloroethane	10	BDL	BDL	BDL	
Trichloroethylene	10	BDL	49.0	BDL	
1,2-Dichloropropane	10	BDL	BDL	BDL	
Bromodichloromethane	10	BDL	BDL	BDL	
Dibromomethane	10	BDL	BDL	BDL	
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	
Toluene	10	BDL	BDL	BDL	
t-1,3-Dichloropropylene	10	BDL	BDL	BDL	
1,1,2-Trichloroethane	10	BDL	BDL	BDL	
Tetrachloroethylene	10	BDL	BDL	BDL	
1,3-Dichloropropane	10	BDL	BDL	BDL	
Dibromochloromethane	10	BDL	BDL	BDL	
1,2-Dibromoethane (EDB)	10	BDL	BDL	BDL	
Chlorobenzene	10	BDL	BDL	BDL	
Ethylbenzene	10	BDL	BDL	BDL	
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	
p/m-Xylene	10	BDL	BDL	BDL	
o-Xylene	10	BDL	BDL	BDL	

*MDL= 4 times the level indicated.

MDL= Minimum Detectable Level BDL= Below Detection Level Units= ppb
Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Client Name : HRP Associates, Inc.	Date Extracted: 1/25/01
CTL Lab No.: 101290	Date Analyzed: 1/25/01
Job/PO No. : MID6003.RA	Analyst: SR
Report Date : 2/01/01	

EPA METHOD 8260B GC/MS

Date Samples Rec'd: 1/23/01

	*		
Matrix Type	**S**	**S**	**S**
CTL Sample #:	**1158**	**1159**	**1160**
Field ID :	**S7 DEP #1865**	**Roll Off WCS DEP #1867**	**Chemical Manhole**

Results of Analysis

Parameters	MDL				
Styrene	10	BDL	BDL	BDL	
Bromoform	10	BDL	BDL	BDL	
Isopropylbenzene	10	BDL	BDL	BDL	
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	
Bromobenzene	10	BDL	BDL	BDL	
1,2,3-Trichloropropane	10	BDL	BDL	BDL	
n-Propylbenzene	10	BDL	BDL	BDL	
2-Chlorotoluene	10	BDL	BDL	BDL	
1,3,5-Trimethylbenzene	10	BDL	BDL	BDL	
4-Chlorotoluene	10	BDL	BDL	BDL	
tert-Butylbenzene	10	BDL	BDL	BDL	
1,2,4-Trimethylbenzene	10	BDL	BDL	BDL	
sec-Butylbenzene	10	BDL	BDL	BDL	
p-Isopropyltoluene	10	BDL	BDL	BDL	
1,3-Dichlorobenzene	10	BDL	BDL	BDL	
1,4-Dichlorobenzene	10	BDL	BDL	BDL	
n-Butylbenzene	10	BDL	BDL	BDL	
1,2-Dichlorobenzene	10	BDL	BDL	BDL	
1,2-Dibromo-3-chloropropane	10	BDL	BDL	BDL	
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	
Hexachlorobutadiene	50	BDL	BDL	BDL	
Naphthalene	50	BDL	BDL	BDL	
1,2,3-Trichlorobenzene	10	BDL	BDL	BDL	
Methyl ethyl ketone	50	BDL	BDL	BDL	
Methyl butyl ketone	50	BDL	BDL	BDL	
Methyl isobutyl ketone	50	BDL	BDL	BDL	

*MDL= 4 times the level indicated.

MDL= Minimum Detectable Level BDL= Below Detection Level Units= ppb

Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Client Name :	HRP Associates, Inc.	Date Extracted:	1/25/01
CTL Lab No.:	101290	Date Analyzed:	1/26/01
PO/Job No.	MID6003.RA	Analyst :	YK
Report Date :	2/01/01		

PAHs by EPA METHOD 8270C (GC/MS) Date Samples Rec'd: 1/23/01

Matrix Type	**W**	**W**	**W**
CTL Sample #:	**1156**	**1157**	**1161**
Field ID :	**S4**	**S5**	**Frac Tank**
	DEP #1863	**DEP #1862**	**DEP #1866**

Results of Analysis

Parameters	MDL				
Naphthalene	5	BDL	BDL	72.0	
Acenaphthylene	5	BDL	BDL	BDL	
Acenaphthene	5	BDL	BDL	BDL	
Fluorene	5	BDL	BDL	BDL	
Phenanthrene	5	BDL	BDL	BDL	
Anthracene	5	BDL	BDL	BDL	
Fluoranthene	5	BDL	BDL	BDL	
Pyrene	5	BDL	BDL	BDL	
Benzo(a)anthracene	5	BDL	BDL	BDL	
Chrysene	5	BDL	BDL	BDL	
Benzo(b)fluoranthene	5	BDL	BDL	BDL	
Benzo(k)fluoranthene	5	BDL	BDL	BDL	
Benzo(a)pyrene	5	BDL	BDL	BDL	
Indeno (1,2,3-cd)pyrene	20	BDL	BDL	BDL	
Dibenzo(a,h)anthracene	20	BDL	BDL	BDL	
Benzo(ghi)perylene	20	BDL	BDL	BDL	
Benzo(j)fluoranthene	20	BDL	BDL	BDL	
Dibenzo(a.h)acridine	20	BDL	BDL	BDL	
Dibenzo(a.j)acridine	20	BDL	BDL	BDL	
7H-Dibenzo(c,g)carbazole	20	BDL	BDL	BDL	
3-Methylcholanthrene	20	BDL	BDL	BDL	

MDL= Minimum Detectable Level **BDL**= Below Detection Level **Units**= ppb

Matrix Type: W = Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Client Name :	HRP Associates, Inc.	Date Extracted:	1/25/01
CTL Lab No.:	101290	Date Analyzed:	1/27/01
PO/Job No.	MID6003.RA	Analyst :	YK
Report Date :	2/01/01		

PAHs by EPA METHOD 8270C (GC/MS) Date Samples Rec'd: 1/23/01

Matrix Type	**S**	**S**	**S**
CTL Sample #:	**1158**	**1159**	**1160**
Field ID :	**S7**	**Roll Off**	**Chemical**
	DEP #1865	**WCS**	**Manhole**
		DEP #1867	

Results of Analysis

Parameters	MDL				
Naphthalene	10	BDL	BDL	BDL	
Acenaphthylene	10	BDL	BDL	BDL	
Acenaphthene	10	BDL	BDL	BDL	
Fluorene	10	BDL	BDL	BDL	
Phenanthrene	10	BDL	BDL	BDL	
Anthracene	10	BDL	BDL	BDL	
Fluoranthene	10	BDL	BDL	BDL	
Pyrene	10	BDL	BDL	BDL	
Benzo(a)anthracene	10	BDL	BDL	BDL	
Chrysene	10	BDL	BDL	BDL	
Benzo(b)fluoranthene	10	BDL	BDL	BDL	
Benzo(k)fluoranthene	10	BDL	BDL	BDL	
Benzo(a)pyrene	10	BDL	BDL	BDL	
Indeno (1,2,3-cd)pyrene	50	BDL	BDL	BDL	
Dibenzo(a,h)anthracene	50	BDL	BDL	BDL	
Benzo(ghi)perylene	50	BDL	BDL	BDL	
Benzo(j)fluoranthene	50	BDL	BDL	BDL	
Dibenzo(a.h)acridine	50	BDL	BDL	BDL	
Dibenzo(a.j)acridine	50	BDL	BDL	BDL	
7H-Dibenzo(c,g)carbazole	50	BDL	BDL	BDL	
3-Methylcholanthrene	50	BDL	BDL	BDL	

MDL= Minimum Detectable Level BDL= Below Detection Level Units= ppb

Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

APPENDIX C

NEW ENGLAND DATAMAP TECHNOLOGY ENVIRONMENTAL DATABASE SEARCH REPORT

DataMap Technology Corporation

Environmental FirstSearch™ Report

TARGET PROPERTY:

680 NEWFIELD ST

MIDDLETOWN CT 06457

Job Number: NEW6003.P1

PREPARED FOR:

HRP Associates, Inc.

167 New Britian Ave

Plainville, CT 06062

03-13-01

Tel: (781) 320-3720 *Fax: (781) 320-3715*

Environmental FirstSearch
Search Summary Report

Target Site: 680 NEWFIELD ST
MIDDLETOWN CT 06457

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2 >	ZIP	TOTALS
NPL	Y	08-24-00	1.00	0	0	0	0	0	0	0
CERCLIS	Y	12-28-00	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	06-22-00	0.50	0	0	0	0	-	0	0
RCRA COR	Y	06-22-00	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	06-22-00	0.25	0	3	0	-	-	1	4
RCRA NLR	Y	06-22-00	0.25	0	0	0	-	-	1	1
ERNS	Y	01-06-00	0.25	0	0	0	-	-	4	4
NPDES	N	01-21-01	0.25	-	-	-	-	-	-	-
FINDS	N	12-28-00	0.25	-	-	-	-	-	-	-
TRIS	N	07-16-98	0.25	-	-	-	-	-	-	-
State Sites	Y	10-20-00	1.00	0	5	0	1	8	3	17
Spills-1990	Y	12-15-00	0.15	0	11	0	-	-	158	169
Spills-1980	Y	NA	0.25	0	0	0	-	-	0	0
SWL	Y	09-01-99	0.50	0	1	0	0	-	1	2
Permits	N	04-08-94	0.25	-	-	-	-	-	-	-
Other	N	10-20-00	0.25	-	-	-	-	-	-	-
REG UST/AST	Y	12-15-00	0.25	1	3	1	-	-	0	5
Leaking UST	Y	12-15-00	0.50	0	2	0	0	-	3	5
State Wells	N	03-15-99	0.50	-	-	-	-	-	-	-
Aquifers	N	03-15-99	0.50	-	-	-	-	-	-	-
ACEC	N	NA	0.50	-	-	-	-	-	-	-
Wetlands	N	11-20-00	0.50	-	-	-	-	-	-	-
Floodplains	N	09-01-96	0.50	-	-	-	-	-	-	-
Receptors	Y	01-01-95	0.50	0	0	0	0	-	0	0
Nuclear Permits	N	04-30-99	0.50	-	-	-	-	-	-	-
Historic/Landmark	N	09-01-99	0.50	-	-	-	-	-	-	-
Federal Land Use	N	06-17-98	0.50	-	-	-	-	-	-	-
Federal Wells	N	NA	0.50	-	-	-	-	-	-	-
Releases(Air/Water)	N	01-06-00	0.25	-	-	-	-	-	-	-
- TOTALS -				1	25	1	1	8	171	207

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to DataMap Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in DataMap Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the norther and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although DataMap Technology Corp. uses its best efforts to research the actual location of each site, DataMap Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of DataMap Technology Corp.'s services proceeding are signifying an understanding of DataMap Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch
Site Information Report

Request Date: 03-13-01
Requestor Name: Tim Brenner
Standard: ASTM

Search Type: COORD
Job Number: NEW6003.P1

Target Address: 680 NEWFIELD ST
MIDDLETOWN CT 06457

Demographics

Sites: 207 **Non-Geocoded:** 171 **Population:** NA

Radon: 0 - 3.3 PCI/L

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	-72.671183	-72:40:16	**Easting:**	694148.235
Latitude:	41.577883	41:34:40	**Northing:**	4605317.145
			Zone:	18

Comment

Comment: FORMER PORTLAND CHEMICAL

Additional Requests/Services

Adjacent ZIP Codes: **0.00 Mile(s)**

ZIP Code	City Name	ST	Dist/Dir	Sel

Services:

	Requested?	Date
Sanborns	Y	3/13/01
Aerial Photographs	N	
Topo Maps (hardcopy)	N	
City Directories	N	
Title Search	N	
Municipal Reports	N	
Online Topo Map	N	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

TOTAL: 207 GEOCODED: 36 NON GEOCODED: 171 SELECTED: 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
1	RCRAGN	MAACO AUTO PAINTING & BODY WORKS CTD122206105/SGN	770 NEW FIELD ST MIDDLETOWN CT 06457	0.11 NW	3
2	RCRAGN	MIDDLETOWN TOYOTA INC CTD983888579/SGN	634 NEWFIELD ST MIDDLETOWN CT 06457	0.11 SW	4
3	RCRAGN	TOWN & COUNTY AUTO SALES INC CTD018716498/SGN	722 NEWFIELD ST MIDDLETOWN CT 06457	0.07 NW	5
4	STATE	EIS BRAKE PARTS 1939/SUSPECTED	NORTH MAIN STREET MIDDLETOWN CT 06457	0.77 SE	6
5	STATE	J.J. VINCI COAL COMPANY 694/INVENTORY	1000 NEWFIELD STREET MIDDLETOWN CT 06457	0.61 NW	1
6	STATE	LAURICK ENTERPRISES 3207/SUSPECTED	1075 NEWFIELD STREET MIDDLETOWN CT 06457	0.71 NW	7
7	STATE	LOCATION REALTY, INC. 3604/SUSPECTED	834 NEWFIELD STREET MIDDLETOWN CT 06457	0.34 NW	8
8	STATE	MAACO AUTO PAINTING 4486/SUSPECTED	UNIT 2A, 770 NEWFIELD STREET MIDDLETOWN CT 06457	0.11 NW	3
9	STATE	MIDDLETOWN MUNICIPAL LANDFILL 608/SUSPECTED	NORTH MAIN STREET MIDDLETOWN CT 06457	0.74 SE	2
10	STATE	MIDDLETOWN NIKE LAUNCH 1101/SUSPECTED	MILE LANE MIDDLETOWN CT 06457	0.81 NW	9
11	STATE	PARKER-HANNIFIN CORP. 4489/SUSPECTED	695 HIGH STREET MIDDLETOWN CT 06457	0.77 SE	6
12	STATE	PORTLAND CHEMICAL WORKS 1124/SUSPECTED	680 NEWFIELD STREET MIDDLETOWN CT 06457	0.04 SW	10
13	STATE	REMINGTON RAND FACILITY 2595/SUSPECTED	180 JOHNSON STREET MIDDLETOWN CT 06457	0.96 SE	11
14	STATE	TOWN & COUNTRY AUTO SALES, INC. 4500/SUSPECTED	722 NEWFIELD STREET MIDDLETOWN CT 06457	0.07 NW	5
15	STATE	TOWN & COUNTRY AUTO SALES, INC 4501/SUSPECTED	750 NEWFIELD STREET MIDDLETOWN CT 06457	0.10 NW	12
16	STATE	TOWN & COUNTRY CHRYSLER JEEP, INC 4502/SUSPECTED	1180 NEWFIELD STREET MIDDLETOWN CT 06457	0.96 NW	13
17	STATE	ZIEBART RUSTPROOFING 4504/SUSPECTED	UNIT 4F, 770 NEWFIELD STREET MIDDLETOWN CT 06457	0.11 NW	3
18	SPILLS	BOARD OF EDUCATION 923658/INGROUND TANK	TIGER LANE/NEWFIELD ST MIDDLETOWN CT 06457	0.05 NW	14
19	SPILLS	CITY OF MIDDLETOWN 9906212/CLOSED	680 NEWFIELD STREET MIDDLETOWN CT 06457	0.04 SW	10
20	SPILLS	DAINTY RUBBISH 953402/FUEL TANK	634 NEWFIELD ST MIDDLETOWN CT 06457	0.11 SW	4

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

TOTAL: 207 GEOCODED: 36 NON GEOCODED: 171 SELECTED: 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
21	SPILLS	MIDDLETOWN TOYOTA 952858/ILLEGAL DISCHAR	634 NUEFIELD ST MIDDLETOWN CT 06457	0.11 SW	4
22	SPILLS	PRIMARY STEEL 9703791/CLOSED	PRIMARY STEEL, 760 NEWFIELD ST MIDDLETOWN CT 06457	0.10 NW	15
23	SPILLS	SHAWMUT BANK OF BOSTON 921793/ILLEGAL DISCHAR	760 NEWFIELD ST MIDDLETOWN CT 06457	0.11 NW	16
24	SPILLS	TOWN & COUNTRY AUTO 943300/TRANS/CAPACITOR	CONNECTICUT RIVER MIDDLETOWN CT 06457	0.10 NW	12
25	SPILLS	TOWN & COUNTRY AUTO SALES 961354/INGROUND TANK	750 NEWFIELD ST MIDDLETOWN CT 06457	0.10 NW	12
26	SPILLS	925003/1	TIGER LANE/RT 372 MIDDLETOWN CT 06457	0.05 NW	14
27	SPILLS	914742/ILLEGAL DISCHAR	660 NEWFIELD ST MIDDLETOWN CT 06457	0.05 SW	17
28	SPILLS	9603335/CLOSED	NEWFIELD ST (RT. 3) MIDDLETOWN CT 06457	0.10 NW	15
29	SWL	MIDDLETOWN 3-7/INACTIVE	NEWFIELD AVE MIDDLETOWN CT 06457	0.06 SE	18
30	UST	FRANK KROL CONSTRUCTION, INC. 09382	823 NEWFIELD ST MIDDLETOWN CT 06457	0.20 NW	19
31	UST	PRIMARY STEEL INC 01416	760 NEWFIELD STREET MIDDLETOWN CT 06457	0.11 NW	16
32	UST	THE PORTLAND CHEMICAL WORKS INC 01534	680 NEWFIELD ST MIDDLETOWN CT 06457	0.04 SW	10
33	UST	TOWN COUNTRY AUTO SALES INC 01604	722 NEWFIELD ST MIDDLETOWN CT 06457	0.07 NW	5
34	UST	TOWN COUNTRY AUTO SALES INC 01605	750 NEWFIELD ST MIDDLETOWN CT 06457	0.10 NW	12
35	LUST	CITY OF MIDDLETOWN 9906212/CLOSED	680 NEWFIELD STREET MIDDLETOWN CT 06457	0.04 SW	10
36	LUST	PRIMARY STEEL 9703791/CLOSED	PRIMARY STEEL, 760 NEWFIELD ST MIDDLETOWN CT 06457	0.10 NW	15

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

TOTAL: 207 **GEOCODED:** 36 **NON GEOCODED:** 171 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
37	RCRAGN	PORTLAND CHEMICAL WORKS THE CTD069262186/TR	680 NEWFIELD ST MIDDLETOWN CT 06457	NON GC	
38	RCRANLR	WADSWORTH FALLS STATE PARK CTR000005702/NLR	ROUTE 157 MIDDLETOWN CT 06457	NON GC	
39	ERNS	R.S.T.INDUSTRIES (DIV MIDLAND) 531570/UNKNOWN	RTE 91 NORTHBOUND MIDDLETOWN CT 06457	NON GC	
40	ERNS	R.S.T.INDUSTRIES (DIV MIDLAND) 543658/UNKNOWN (NRC)	RTE 91 NORTHBOUND MIDDLETOWN CT 06457	NON GC	
41	ERNS	UNKNOWN 150311/HIGHWAY RELATED	HWY 91 N NORTH OF EXIT #20 MIDDLETOWN CT 06457	NON GC	
42	ERNS	H50005/FIX FAC	MIDDLETOWN CT 06457	NON GC	
43	STATE	CL&P 4478/SUSPECTED	SOUTH STREET MIDDLETOWN CT	NON GC	
44	STATE	CL&P POLE #6424 1322/SUSPECTED	POPLAR STREET MIDDLETOWN CT 06457	NON GC	
45	STATE	RAND 5514/SUSPECTED	MIDDLETOWN CT 06457	NON GC	
46	SPILLS	2 YOUTHS UNKNOWN 9806523/CLOSED	WASHINGTON ST BY THE MAIN FIRE MIDDLETOWN CT 06457	NON GC	
47	SPILLS	A CONSTRUCTION COMPANY 200002977/CLOSED	TALCOTT RIDGE RD. MIDDLETOWN CT 06457	NON GC	
48	SPILLS	ADVANCED INDUSTRIES 924303/HOSE FAILURE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
49	SPILLS	ALLSTATE BOILER 935486/HOSE FAILURE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
50	SPILLS	ANDERSON TRUCKING 923543/EQUIP FAILURE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
51	SPILLS	APPLE OIL 945174/CONTAINER FAILU	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
52	SPILLS	BUCKLEY FUEL OIL 200003184/CLOSED	AIRCRAFT RD. MIDDLETOWN CT 06457	NON GC	
53	SPILLS	BUCKLEY OF BRIDGEPORT 936299/TRANS/CAPACITOR	I-91 N/B EX 19-20 MIDDLETOWN CT 06457	NON GC	
54	SPILLS	C L&P 922889/NATURAL	CHERRY HILL RD MIDDLETOWN CT 06457	NON GC	
55	SPILLS	C.L. & P 9902753/CLOSED	CHURCH STREET MIDDLETOWN CT 06457	NON GC	
56	SPILLS	CENTRAL RIGGING 943540/SADDLE TANK	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

TOTAL: 207 **GEOCODED:** 36 **NON GEOCODED:** 171 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
57	SPILLS	CHAPMAN 944624/PUMPING BILGE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
58	SPILLS	CITY OF MIDDLETOWN 936807/LEAKING UST REP	MIDDLETOWN CT 06457	NON GC	
59	SPILLS	CL&P 9703790/CLOSED	MIDDLETOWN STATION MIDDLETOWN CT 06457	NON GC	
60	SPILLS	CL&P 200001321/CLOSED	WASHINGTON ST SHOP-RITE MIDDLETOWN CT 06457	NON GC	
61	SPILLS	COMMUNITY WASTE 942692/PUMPING BILGE	CRYSTAL LAKE RD MIDDLETOWN CT 06457	NON GC	
62	SPILLS	CONNECTICUT LIGHT AND POWER 200002190/CLOSED	CHAMBERLIN HILL ROAD MIDDLETOWN CT	NON GC	
63	SPILLS	CONNECTICUT VALLEY HOSPITAL 9604374/CLOSED	CEDAR LANE MIDDLETOWN CT 06457	NON GC	
64	SPILLS	CONNECTIVUT VALLEY HOSPITAL 941156/CONTAINER FAILU	SWEET/FLOOD DRIVE MIDDLETOWN CT 06457	NON GC	
65	SPILLS	CT VALLEY HOPITAL 9905980/CLOSED	SILVERMINE AND O BRIEN STS, C MIDDLETOWN CT 06457	NON GC	
66	SPILLS	CVH 200006858/CLOSED	CVH, OLD PIGGERY AT O BRIEN AN MIDDLETOWN CT	NON GC	
67	SPILLS	DANIELS OIL 926221/ROAD OILING/REP	SOUTH MAIN ST MIDDLETOWN CT 06457	NON GC	
68	SPILLS	DEKA INTERNATIONAL 952477/VALVE FAILURE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
69	SPILLS	DIDANO S FUEL OIL 9900854/CLOSED	NEW BROAD ST MIDDLETOWN CT 06457	NON GC	
70	SPILLS	E W R 91178/INGROUND TANK	ROUTE 9 MIDDLETOWN CT 06457	NON GC	
71	SPILLS	FEDERAL EXPRESS 911880/HOSE FAILURE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
72	SPILLS	FRANK BARGESKI 95659/TRANS/CAPACITOR	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
73	SPILLS	FRANK MERCEDE & SON CONSTR 93104/CONTAINER FAILU	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
74	SPILLS	FRANK MERCEDE & SON CONSTR 93220/HOSE FAILURE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
75	SPILLS	FRIENDS INC 922552/TRANS/CAPACITOR	MITCHELL LANE MIDDLETOWN CT 06457	NON GC	
76	SPILLS	GULF OIL DIV/CUMBERLAND FARMS 947610/FUEL TANK	I-91/N/B MIDDLETOWN SCALES MIDDLETOWN CT 06457	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

TOTAL: 207 **GEOCODED:** 36 **NON GEOCODED:** 171 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
117	SPILLS	UNDETERMINED 9704170/CLOSED	RT 9 MIDDLETOWN CT 06457	NON GC	
118	SPILLS	UNITED TECHNOLOGIES 952691/HOSE FAILURE	MAIN ST MIDDLETOWN CT 06457	NON GC	
119	SPILLS	UNKNOWN 9801367/CLOSED	ROUTE # 17 OVER LONG HILL BROO MIDDLETOWN CT 06457	NON GC	
120	SPILLS	UNKNOWN 200005929/CLOSED	CONNECTICUT RIVER NEAR ARRIGON MIDDLETOWN CT 06457	NON GC	
121	SPILLS	UNKNOWN 200002690/CLOSED	TUTTLE RD. MIDDLETOWN CT 06457	NON GC	
122	SPILLS	UNKNOWN 200001768/CLOSED	SILVERMINE RD. MIDDLETOWN CT 06457	NON GC	
123	SPILLS	UNKNOWN 9805011/CLOSED	WILLIAMS STREET MIDDLETOWN CT 06457	NON GC	
124	SPILLS	UNKNOWN 9801756/CLOSED	RIVER ROAD-STREAM UNDER BRIDGE MIDDLETOWN CT 06457	NON GC	
125	SPILLS	UNKNOWN 9901714/CLOSED	RIVER ROAD MIDDLETOWN CT 06457	NON GC	
126	SPILLS	UNKNOWN 9801592/CLOSED	RIVER ROAD -OLD FELDSPAR QUARR MIDDLETOWN CT 06457	NON GC	
127	SPILLS	WYATT OIL 91586/HOSE FAILURE	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
128	SPILLS	9604553/CLOSED	RIVER ROAD BETWEEN STP & WELL MIDDLETOWN CT 06457	NON GC	
129	SPILLS	9900044/CLOSED	RT. 9 NORTH EXIT 11 AND 12 MIDDLETOWN CT 06457	NON GC	
130	SPILLS	9802233/CLOSED	ROUTE 17 PAST WARWICK STREET U MIDDLETOWN CT 06457	NON GC	
131	SPILLS	9805519/CLOSED	GRAND ST MIDDLETOWN CT 06457	NON GC	
132	SPILLS	200007814/CLOSED	CONNECTICUT RIVER MIDDLETOWN CT 06457	NON GC	
133	SPILLS	200007459/OPEN	RTE 66 PARKING LOT OF THE OLD MIDDLETOWN CT 06457	NON GC	
134	SPILLS	200006387/CLOSED	91S EXIT19/20 MIDDLETOWN CT 06457	NON GC	
135	SPILLS	934453/ILLEGAL DISCHAR	ATKINS RD MIDDLETOWN CT 06457	NON GC	
136	SPILLS	941117/FUEL TANK	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
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FORMER PORTLAND CHEMICAL

TOTAL: 207 **GEOCODED:** 36 **NON GEOCODED:** 171 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
137	SPILLS	947412/TRANS/CAPACITOR	I-91 S/B EX 19-20 MIDDLETOWN CT 06457	NON GC	
138	SPILLS	912390/REPORTED UST	COUNTRY CLUB RD MIDDLETOWN CT 06457	NON GC	
139	SPILLS	953790/TRANS/CAPACITOR	WESTFIELD ST MIDDLETOWN CT 06457	NON GC	
140	SPILLS	961169/ILLEGAL DISCHAR	SPRUCE/W MAIN/HARBOR PARK MIDDLETOWN CT 06457	NON GC	
141	SPILLS	96857/HOSE FAILURE	HUNTING HILL AVE MIDDLETOWN CT 06457	NON GC	
142	SPILLS	953500/PUMPING BILGE	MIDDLETOWN/CROMWELL TOWN LINE MIDDLETOWN CT 06457	NON GC	
143	SPILLS	96315/TRANS/CAPACITOR	SMITH ST MIDDLETOWN CT 06457	NON GC	
144	SPILLS	961188/BLOCKED VENT	25 QUART ST MIDDLETOWN CT 06457	NON GC	
145	SPILLS	955396/ILLEGAL DISCHAR	HILL LANE CONDOMINIUMS MIDDLETOWN CT 06457	NON GC	
146	SPILLS	953863/POWER FAILURE	NEWFIELD ST MIDDLETOWN CT 06457	NON GC	
147	SPILLS	953252/TRANS/CAPACITOR	PINE ST MIDDLETOWN CT 06457	NON GC	
148	SPILLS	952743/TRANS/CAPACITOR	INDUSTRIAL PARK RD MIDDLETOWN CT 06457	NON GC	
149	SPILLS	952245/VALVE FAILURE	MCCORMICK LANE MIDDLETOWN CT 06457	NON GC	
150	SPILLS	912105/TRANS/CAPACITOR	NEWFIELD ST MIDDLETOWN CT 06457	NON GC	
151	SPILLS	91140/FUEL TANK	CHESTNUT HILL APTS MIDDLETOWN CT 06457	NON GC	
152	SPILLS	946220/PUMPING BILGE	SOUTH MAIN ST MIDDLETOWN CT 06457	NON GC	
153	SPILLS	945735/TRANS/CAPACITOR	I-91 S/B EX 20-19 MIDDLETOWN CT 06457	NON GC	
154	SPILLS	941551/FUEL TANK	RT 9 S/B EX 10-11 MIDDLETOWN CT 06457	NON GC	
155	SPILLS	94906/TRANS/CAPACITOR	WESTFIELD ST MIDDLETOWN CT 06457	NON GC	
156	SPILLS	94873/TRANS/CAPACITOR	I-91 N/B EX 20-21 MIDDLETOWN CT 06457	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
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FORMER PORTLAND CHEMICAL

TOTAL: 207 **GEOCODED:** 36 **NON GEOCODED:** 171 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
157	SPILLS	94492/INGROUND TANK	RIVER RD MIDDLETOWN CT 06457	NON GC	
158	SPILLS	95961/HISTORIC PROBLE	RT 66/WASHINGTON ST MIDDLETOWN CT 06457	NON GC	
159	SPILLS	936044/TRANS/CAPACITOR	I-91 S/B EX 22-20 MIDDLETOWN CT 06457	NON GC	
160	SPILLS	935857/ILLEGAL DISCHAR	COUNTRY CLUB RD MIDDLETOWN CT 06457	NON GC	
161	SPILLS	934469/ILLEGAL DISCHAR	ATKINS RD MIDDLETOWN CT 06457	NON GC	
162	SPILLS	933035/VALVE FAILURE	COUNTRY CLUB RD MIDDLETOWN CT 06457	NON GC	
163	SPILLS	922926	EASTERN DR MIDDLETOWN CT 06457	NON GC	
164	SPILLS	921036	RT 17/SOUTH MAIN ST MIDDLETOWN CT 06457	NON GC	
165	SPILLS	200005171/CLOSED	PAD 2949/ FORCE GLEN CIRCLE/ W MIDDLETOWN CT 06457	NON GC	
166	SPILLS	200004845/CLOSED	RT 91 N JUST SOUTH OF EXIT 21 MIDDLETOWN CT 06457	NON GC	
167	SPILLS	200003722/CLOSED	AIRCRAFT RD BLD 410 MIDDLETOWN CT	NON GC	
168	SPILLS	200003391/CLOSED	5221 TOWN PLACE MIDDLETOWN CT 06457	NON GC	
169	SPILLS	200002324/CLOSED	RT 17 / POLE 3244 MIDDLETOWN CT 06457	NON GC	
170	SPILLS	200002250/CLOSED	1633 PORTLAND COLBOLT RD MIDDLETOWN CT	NON GC	
171	SPILLS	200001939/CLOSED	REAR OF DESTINTA THEATRES, DEK MIDDLETOWN CT 06457	NON GC	
172	SPILLS	9903923/CLOSED	MILL STREET FRONT OF GUN CLUB MIDDLETOWN CT 06457	NON GC	
173	SPILLS	9902866/CLOSED	91 NORTH BETWEEN 20-21 MIDDLETOWN CT 06457	NON GC	
174	SPILLS	9902834/CLOSED	MAIN STREET MIDDLETOWN CT 06457	NON GC	
175	SPILLS	9808785/CLOSED	TUTTLE RD MIDDLETOWN CT 06457	NON GC	
176	SPILLS	9808207/CLOSED	RIVER ROAD MIDDLETOWN CT 06457	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
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JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

TOTAL: 207 **GEOCODED:** 36 **NON GEOCODED:** 171 **SELECTED:** 0

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
177	SPILLS	9808051/CLOSED	AIRCRAFT ROAD MIDDLETOWN CT 06457	NON GC	
178	SPILLS	9807848/CLOSED	91 SOUTH EXIT 22 MIDDLETOWN CT	NON GC	
179	SPILLS	9807351/CLOSED	CL& P MIDDLETOWN STATION ON RI MIDDLETOWN CT 06457	NON GC	
180	SPILLS	9807153/CLOSED	91 NORTH BY EXIT 16 MIDDLETOWN CT	NON GC	
181	SPILLS	200000020/CLOSED	SAYBROOK ROAD AND TRADEWINDS P MIDDLETOWN CT 06457	NON GC	
182	SPILLS	9908502/CLOSED	WASHINGTON STREET MIDDLETOWN CT 06457	NON GC	
183	SPILLS	9908460/CLOSED	MIDDLE ST MIDDLETOWN CT 06457	NON GC	
184	SPILLS	9908216/CLOSED	63 INDIAN HILL AVE MIDDLETOWN CT	NON GC	
185	SPILLS	9907876/CLOSED	600 COLLEGE ST MIDDLETOWN CT 06457	NON GC	
186	SPILLS	9906266/CLOSED	SILVER MINE RD MIDDLETOWN CT 06457	NON GC	
187	SPILLS	9904738/CLOSED	FREEMAN STREET MIDDLETOWN CT 06457	NON GC	
188	SPILLS	9904535/CLOSED	LANDOFF ROAD MIDDLETOWN CT 06457	NON GC	
189	SPILLS	9806828/CLOSED	91 NORTH SOUTH OF EXIT 21 MIDDLETOWN CT 06457	NON GC	
190	SPILLS	9806765/CLOSED	WESYLAN HILLS (OFF RT 17 SOUTH MIDDLETOWN CT 06457	NON GC	
191	SPILLS	9806351/CLOSED	191 NORTH BOUND MIDDLETOWN CT	NON GC	
192	SPILLS	9806170/CLOSED	MIDDLE STREET POLE 6404 MIDDLETOWN CT 06457	NON GC	
193	SPILLS	9805854/CLOSED	RT 157 MIDDLETOWN CT	NON GC	
194	SPILLS	9805763/CLOSED	HOLLAND AVE BEHIND BIO SYSTEMS MIDDLETOWN CT 06457	NON GC	
195	SPILLS	9805642/CLOSED	AIRCRAFT RD MIDDLETOWN CT 06457	NON GC	
196	SPILLS	9805572/CLOSED	91 NORTH BY EXIT 20 MIDDLETOWN CT	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 680 NEWFIELD ST
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FORMER PORTLAND CHEMICAL

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ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
197	SPILLS	9805066/CLOSED	I-91 SOUTH EXIT 19-20 MIDDLETOWN CT	NON GC	
198	SPILLS	9804383/CLOSED	BELOW THE CHRISTOPHER COLUMBUS MIDDLETOWN CT 06457	NON GC	
199	SPILLS	9900026/CLOSED	RT 91 NORTH EXIT 20-21 MIDDLETOWN CT 06457	NON GC	
200	SPILLS	9706548/CLOSED	67 HILL PARKWAY MIDDLETOWN CT 06457	NON GC	
201	SPILLS	9902275/CLOSED	ELIZABETH LN. MIDDLETOWN CT 06457	NON GC	
202	SPILLS	9704915/CLOSED	ROUTE 66 N BOUND MIDDLETOWN CT 06457	NON GC	
203	SPILLS	9706833/CLOSED	MINER ROAD MIDDLETOWN CT 06457	NON GC	
204	SWL	MIDDLETOWN 3-8/INACTIVE	RIVER & AIRCRAFT ROAD MIDDLETOWN CT 06457	NON GC	
205	LUST	GIANOTTI RESIDENCE 3747/YES	169 BRADMAN STREET MIDDLETOWN CT 06457	NON GC	
206	LUST	ROBERT SWEET 9605932/CLOSED	NORTH ST MIDDLETOWN CT	NON GC	
207	LUST	STATE OF CONNECTICUT 9605931/CLOSED	COUNTRY CLUB ROAD MIDDLETOWN CT	NON GC	

Environmental FirstSearch
Site Detail Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

RCRA GENERATOR SITE

SEARCH ID: 1 **DIST/DIR:** 0.11 NW **MAP ID:** 3

NAME: MAACO AUTO PAINTING & BODY WORKS
ADDRESS: 770 NEW FIELD ST
MIDDLETOWN CT 06457
CONTACT: MASSIRIO EUGENE

REV:
ID1: CTD122206105
ID2:
STATUS: SGN
PHONE: 2036320106

ADDRESS: OWNERSTREET
OWNERCITY CT 99999

NOTIFIED: 11/25/85
PART A:

ACTIVITIES: SG: GENERATES 100-1000 KG/MONTH OF HAZARDOUS WASTE

CM+E LIST: Y VIOL DATE: 12-12-88 AGENCY: S UPDATED: 11-10-98
RAATS: ACTION DATE: DOCKET: UPDATED: 06-24-96

VIOL: GER, FEA, GLB
NUM: 5
ENF: 310
DATE: 02-23-89 ASSESS: SETTLE:

RCRA GENERATOR SITE

SEARCH ID: 2 **DIST/DIR:** 0.11 SW **MAP ID:** 4

NAME: MIDDLETOWN TOYOTA INC
ADDRESS: 634 NEWFIELD ST
MIDDLETOWN CT 06457
CONTACT: NIELSEN BRUCE

REV:
ID1: CTD983888579
ID2:
STATUS: SGN
PHONE: 2033477294

ADDRESS: 634 NEWFIELD ST
MIDDLETOWN CT 06457

NOTIFIED: 11/21/91
PART A:

ACTIVITIES: SG: GENERATES 100-1000 KG/MONTH OF HAZARDOUS WASTE

CM+E LIST: VIOL DATE: AGENCY: UPDATED: 11-10-98
RAATS: ACTION DATE: DOCKET: UPDATED: 06-24-96

VIOL:
NUM:
ENF:
DATE: ASSESS: SETTLE:

Environmental FirstSearch
Site Detail Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

RCRA GENERATOR SITE

SEARCH ID: 3 **DIST/DIR:** 0.07 NW **MAP ID:** 5

NAME: TOWN & COUNTY AUTO SALES INC
ADDRESS: 722 NEWFIELD ST
MIDDLETOWN CT 06457

CONTACT: BRICKEY ROY

REV:
ID1: CTD018716498
ID2:
STATUS: SGN
PHONE: 2033474471

ADDRESS: OWNERSTREET
OWNERCITY CT 99999

NOTIFIED: 08/21/87
PART A:

ACTIVITIES: SG: GENERATES 100-1000 KG/MONTH OF HAZARDOUS WASTE

CM+E LIST:
RAATS:

VIOL DATE:
ACTION DATE:

AGENCY:
DOCKET:

UPDATED: 11-10-98
UPDATED: 06-24-96

VIOL:
NUM:
ENF:
DATE:

ASSESS:

SETTLE:

Environmental FirstSearch
Site Detail Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 4 **DIST/DIR:** 0.77 SE **MAP ID:** 6

NAME: EIS BRAKE PARTS
ADDRESS: NORTH MAIN STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 1939
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY: HYDROCARBONS AND/OR FUEL OIL

METHOD(S) OF WASTE DISPOSAL: UST

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS: SAMPLING PLAN 1/89 (8/94)

LATEST TRANSFER OR TRANSFER BILL FILED:
DATE TRANSFER FORM FILED: TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU- REMEDIATION SECTION
DATE OF SITE DISCOVERY: 8/17/94
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE:
SITE INVESTIGATION OUTCOME:

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 4 **DIST/DIR:** 0.77 SE **MAP ID:** 6

NAME: EIS BRAKE PARTS
ADDRESS: NORTH MAIN STREET
MIDDLETOWN CT

CONTACT:

REV: 10/20/00
ID1: 1939
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 5 **DIST/DIR:** 0.61 NW **MAP ID:** 1

NAME: J.J. VINCI COAL COMPANY
ADDRESS: 1000 NEWFIELD STREET
MIDDLETOWN CT 06457
CONTACT:

REV: 10/20/00
ID1: 694
ID2: CTD983903659
STATUS: INVENTORY
PHONE:

DATE ADDED TO INVENTORY: 7/13/89
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY: CHLORINATED VOLATILE ORGANIC COMPOUNDS SEMI VOLATILE ORGANIC COMPUNDS METALS

METHOD(S) OF WASTE DISPOSAL: LAGOON DRUMS UST

GROUNDWATER CLASSIFICATION: GB
SURFACE WATER CLASSIFICATION: C/B
SAMPLING DATA AVAILABLE?: Yes

COMMENTS: DISPOSAL ACTIVITY: ALLEDGED BURIED DRUMS - LAGOON (7/89) OCSD RESPONDED TO SPILL OF #2 FUEL OIL ON 7/3/85. SPILL OF DIESEL FUEL ON 11/16/89. DEP ORDER 2500. (5/00)

LATEST TRANSFER OR TRANSFER BILL FILED:
DATE TRANSFER FORM FILED: **TRANSFER STAFF ASSIGNED TO SITE:**

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU- SUPERFUND SITE DISCOVERY
DATE OF SITE DISCOVERY: 1/1/89
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF: POST, M.
DATE SITE INVESTIGATION COMPLETE: 7/13/89
SITE INVESTIGATION OUTCOME: INVENTORY

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT: EPA
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT: DANYLUK, M.
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT: 7/14/93
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED: 7/29/93
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS: 9/10/93
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 5 **DIST/DIR:** 0.61 NW **MAP ID:** 1

NAME: J.J. VINCI COAL COMPANY
ADDRESS: 1000 NEWFIELD STREET
MIDDLETOWN CT 06457
CONTACT:

REV: 10/20/00
ID1: 694
ID2: CTD983903659
STATUS: INVENTORY
PHONE:

STAFF ASSIGNED TO SITE INSPECTION: EPA
STAFF REVIEWING SITE INSPECTION DRAFT REPORT: DEP
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT: 1/1/00
DATE SITE INSPECTION DRAFT REVIEW COMPLETED: 3/31/00
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 6 **DIST/DIR:** 0.71 NW **MAP ID:** 7

NAME: LAURICK ENTERPRISES
ADDRESS: 1075 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 3207
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES: NEWFIELD AUTO II

TYPE OF WASTE ON PROPERTY: CHLORINATED VOLATILE ORGANIC COMPOUNDS HYDROCARBONS AND/OR FUEL OIL METALS

METHOD(S) OF WASTE DISPOSAL: SEPTIC DRY WELL UST

GROUNDWATER CLASSIFICATION: GB
SURFACE WATER CLASSIFICATION: A
SAMPLING DATA AVAILABLE?: No

COMMENTS: SOIL REMOVAL. FORM III AND ECAF FILED 6/6/97 DEFERRED TO LEP 7/797 (10/98)

LATEST TRANSFER OR TRANSFER BILL FILED: III
DATE TRANSFER FORM FILED: 5/6/97TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU-PROPERTY TRANSFER PROGRAM
DATE OF SITE DISCOVERY: 6/6/97
DATE SITE INVESTIGATION ASSIGNED: 6/6/97
SITE INVESTIGATION STAFF: WILCOX, J.
DATE SITE INVESTIGATION COMPLETE: 10/8/98
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 6 **DIST/DIR:** 0.71 NW **MAP ID:** 7

NAME: LAURICK ENTERPRISES
ADDRESS: 1075 NEWFIELD STREET
MIDDLETOWN CT

CONTACT:

REV: 10/20/00
ID1: 3207
ID2:
STATUS: SUSPECTED
PHONE:

STAFF ASSIGNED TO SITE INSPECTION:
STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 7 **DIST/DIR:** 0.34 NW **MAP ID:** 8

NAME: LOCATION REALTY, INC.
ADDRESS: 834 NEWFIELD STREET
MIDDLETOWN CT 06457
CONTACT:

REV: 10/20/00
ID1: 3604
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY: HYDROCARBONS AND/OR FUEL OIL

METHOD(S) OF WASTE DISPOSAL: UST

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS: SPILLS RESPONDED 11/4/98 SOIL REMOVED 11/4/98 RELEASE

LATEST TRANSFER OR TRANSFER BILL FILED:
DATE TRANSFER FORM FILED: TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WASTE BUREAU- OIL AND CHEMICAL SPILLS RESPONSE DIVISION
DATE OF SITE DISCOVERY: 11/4/98
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE: 8/27/99
SITE INVESTIGATION OUTCOME: ON RECORD

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 7 **DIST/DIR:** 0.34 NW **MAP ID:** 8

NAME: LOCATION REALTY, INC.
ADDRESS: 834 NEWFIELD STREET
MIDDLETOWN CT 06457

CONTACT:

REV: 10/20/00
ID1: 3604
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 8 **DIST/DIR:** 0.11 NW **MAP ID:** 3

NAME: MAACO AUTO PAINTING
ADDRESS: UNIT 2A, 770 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4486
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS:

LATEST TRANSFER OR TRANSFER BILL FILED: III
DATE TRANSFER FORM FILED: 7/7/95 TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU-PROPERTY TRANSFER PROGRAM
DATE OF SITE DISCOVERY: 6/12/89
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF: HAMEL, M.
DATE SITE INVESTIGATION COMPLETE: 6/12/89
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 8 **DIST/DIR:** 0.11 NW **MAP ID:** 3

NAME: MAACO AUTO PAINTING
ADDRESS: UNIT 2A, 770 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4486
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 9 **DIST/DIR:** 0.74 SE **MAP ID:** 2

NAME: MIDDLETOWN MUNICIPAL LANDFILL
ADDRESS: NORTH MAIN STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 608
ID2: CTD980521116
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY: METALS ASBESTOS MOH SLUDGE

METHOD(S) OF WASTE DISPOSAL: LANDFILL

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS:

LATEST TRANSFER OR TRANSFER BILL FILED:
DATE TRANSFER FORM FILED: TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: US EPAS CERCLIS
DATE OF SITE DISCOVERY: 9/1/89
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE:
SITE INVESTIGATION OUTCOME:

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT: EPA
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT: DEP
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS: 3/1/83
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION: EPA
STAFF REVIEWING SITE INSPECTION DRAFT REPORT: DEP

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 9 **DIST/DIR:** 0.74 SE **MAP ID:** 2

NAME:	MIDDLETOWN MUNICIPAL LANDFILL	REV:	10/20/00
ADDRESS:	NORTH MAIN STREET	ID1:	608
	MIDDLETOWN CT	ID2:	CTD980521116
		STATUS:	SUSPECTED
CONTACT:		PHONE:	

DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT: 7/29/91
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS: 9/20/91

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION: EPA
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT: NEVILLE, T.
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT: 6/1/97
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS: 9/8/97

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 10 **DIST/DIR:** 0.81 NW **MAP ID:** 9

NAME: MIDDLETOWN NIKE LAUNCH
ADDRESS: MILE LANE
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 1101
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES: US ARMY RESERVE CENTER

TYPE OF WASTE ON PROPERTY: SOLVENTS OIL PCB

METHOD(S) OF WASTE DISPOSAL: TO GROUND

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS: WASTE TYPE: ASBESTOS

LATEST TRANSFER OR TRANSFER BILL FILED:
DATE TRANSFER FORM FILED: TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU- SUPERFUND SITE DISCOVERY
DATE OF SITE DISCOVERY: 11/20/91
DATE SITE INVESTIGATION ASSIGNED: 11/20/91
SITE INVESTIGATION STAFF: MCDANIEL, M.
DATE SITE INVESTIGATION COMPLETE:
SITE INVESTIGATION OUTCOME:

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 10 **DIST/DIR:** 0.81 NW **MAP ID:** 9

NAME: MIDDLETOWN NIKE LAUNCH
ADDRESS: MILE LANE
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 1101
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 11 **DIST/DIR:** 0.77 SE **MAP ID:** 6

NAME: PARKER-HANNIFIN CORP.
ADDRESS: 695 HIGH STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4489
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES: SOUTHERN NEW ENGLAND TELEPHONE CO.

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS:

LATEST TRANSFER OR TRANSFER BILL FILED: I
DATE TRANSFER FORM FILED: 11/16/98**TRANSFER STAFF ASSIGNED TO SITE:**

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU-PROPERTY TRANSFER PROGRAM
DATE OF SITE DISCOVERY: 9/22/86
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF: PEASE, R.
DATE SITE INVESTIGATION COMPLETE: 9/22/86
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 11 **DIST/DIR:** 0.77 SE **MAP ID:** 6

NAME: PARKER-HANNIFIN CORP.
ADDRESS: 695 HIGH STREET
MIDDLETOWN CT

CONTACT:

REV: 10/20/00
ID1: 4489
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 12 **DIST/DIR:** 0.04 SW **MAP ID:** 10

NAME: PORTLAND CHEMICAL WORKS
ADDRESS: 680 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 1124
ID2: CTD069262186
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES: PHILLIPP BROS. CHEMICAL INC

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS: NOV ISSUED FOR NOT FILING

LATEST TRANSFER OR TRANSFER BILL FILED: VOL
DATE TRANSFER FORM FILED: 9/9/99**TRANSFER STAFF ASSIGNED TO SITE:**

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: LOCAL GOVERNMENT
DATE OF SITE DISCOVERY: 12/11/91
DATE SITE INVESTIGATION ASSIGNED: 12/11/91
SITE INVESTIGATION STAFF: BOTTI, T.
DATE SITE INVESTIGATION COMPLETE: 11/13/92
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:
STAFF REVIEWING SITE INSPECTION DRAFT REPORT:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 12 **DIST/DIR:** 0.04 SW **MAP ID:** 10

NAME:	PORTLAND CHEMICAL WORKS	**REV:**	10/20/00
ADDRESS:	680 NEWFIELD STREET	**ID1:**	1124
	MIDDLETOWN CT	**ID2:**	CTD069262186
		STATUS:	SUSPECTED
CONTACT:		**PHONE:**	

DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 13 **DIST/DIR:** 0.96 SE **MAP ID:** 11

NAME: REMINGTON RAND FACILITY
ADDRESS: 180 JOHNSON STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 2595
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION: GB
SURFACE WATER CLASSIFICATION: BC/C/B
SAMPLING DATA AVAILABLE?: No

COMMENTS: REVIEW OF PHASE I, REQUEST FOR QUOTATION FOR PHASE II (9/95)

LATEST TRANSFER OR TRANSFER BILL FILED:
DATE TRANSFER FORM FILED: **TRANSFER STAFF ASSIGNED TO SITE:**

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU- URBAN SITES REMEDIAL ACTION PROGRAM
DATE OF SITE DISCOVERY: 9/25/95
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE: 9/26/95
SITE INVESTIGATION OUTCOME: USP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 13 **DIST/DIR:** 0.96 SE **MAP ID:** 11

NAME: REMINGTON RAND FACILITY
ADDRESS: 180 JOHNSON STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 2595
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 14 **DIST/DIR:** 0.07 NW **MAP ID:** 5

NAME: TOWN & COUNTRY AUTO SALES, INC.
ADDRESS: 722 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4500
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS:

LATEST TRANSFER OR TRANSFER BILL FILED: I
DATE TRANSFER FORM FILED: 6/16/98TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU-PROPERTY TRANSFER PROGRAM
DATE OF SITE DISCOVERY: 6/12/98
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE: 6/12/98
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 14 **DIST/DIR:** 0.07 NW **MAP ID:** 5

NAME: TOWN & COUNTRY AUTO SALES, INC.
ADDRESS: 722 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4500
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 15 **DIST/DIR:** 0.10 NW **MAP ID:** 12

NAME: TOWN & COUNTRY AUTO SALES, INC.
ADDRESS: 750 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4501
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES: SONY MUSIC ENTERTAINMENT

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS:

LATEST TRANSFER OR TRANSFER BILL FILED: f
DATE TRANSFER FORM FILED: 6/16/98**TRANSFER STAFF ASSIGNED TO SITE:**

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU-PROPERTY TRANSFER PROGRAM
DATE OF SITE DISCOVERY: 6/12/98
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE: 6/12/98
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 15 **DIST/DIR:** 0.10 NW **MAP ID:** 12

NAME: TOWN & COUNTRY AUTO SALES, INC.
ADDRESS: 750 NEWFIELD STREET
MIDDLETOWN CT

CONTACT:

REV: 10/20/00
ID1: 4501
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 16 **DIST/DIR:** 0.96 NW **MAP ID:** 13

NAME: TOWN & COUNTRY CHRYSLER JEEP, INC.
ADDRESS: 1180 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4502
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS:

LATEST TRANSFER OR TRANSFER BILL FILED: 1
DATE TRANSFER FORM FILED: 6/16/98TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU-PROPERTY TRANSFER PROGRAM
DATE OF SITE DISCOVERY: 6/16/93
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE: 6/16/93
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 17 **DIST/DIR:** 0.11 NW **MAP ID:** 3

NAME: ZIEBART RUSTPROOFING
ADDRESS: UNIT 4F, 770 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4504
ID2:
STATUS: SUSPECTED
PHONE:

DATE ADDED TO INVENTORY:
ADDED TO CERCLIS LIST?: No
ADDED TO SUPERFUND PRIORITY LIST?: No
ADDED TO NATIONAL PRIORITY LIST?: No

OTHER SITE NAMES:

TYPE OF WASTE ON PROPERTY:

METHOD(S) OF WASTE DISPOSAL:

GROUNDWATER CLASSIFICATION:
SURFACE WATER CLASSIFICATION:
SAMPLING DATA AVAILABLE?: No

COMMENTS: UNIT 4F, 770 NEWFIELD STREET

LATEST TRANSFER OR TRANSFER BILL FILED: I
DATE TRANSFER FORM FILED: 5/2/94TRANSFER STAFF ASSIGNED TO SITE:

SITE INVESTIGATION INFORMATION:

SOURCE OF INFORMATION LEADING TO SITE DISCOVERY: DEP WATER BUREAU-PROPERTY TRANSFER PROGRAM
DATE OF SITE DISCOVERY: 5/2/94
DATE SITE INVESTIGATION ASSIGNED:
SITE INVESTIGATION STAFF:
DATE SITE INVESTIGATION COMPLETE: 5/2/94
SITE INVESTIGATION OUTCOME: PTP

PRELIMINARY ASSESSMENT INFORMATION:

STAFF ASSIGNED TO PRELIMINARY ASSESSMENT:
STAFF REVIEWING PRELIMINARY ASSESSMENT DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE DRAFT PRELIMINARY ASSESSMENT REVIEW COMPLETED:
DATE PRELIMINARY ASSESSMENT LISTED AS FINAL IN CERCLIS:
FURTHER ACTION TAKEN (Y/N)?: No

SITE INSPECTION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION:

- Continued on next page -

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SITE

SEARCH ID: 17 **DIST/DIR:** 0.11 NW **MAP ID:** 3

NAME: ZIEBART RUSTPROOFING
ADDRESS: UNIT 4F, 770 NEWFIELD STREET
MIDDLETOWN CT
CONTACT:

REV: 10/20/00
ID1: 4504
ID2:
STATUS: SUSPECTED
PHONE:

STAFF REVIEWING SITE INSPECTION DRAFT REPORT:
DATE PRELIMINARY ASSESSMENT SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION DRAFT REVIEW COMPLETED:
DATE SITE INSPECTION FINAL IN CERCLIS:

SITE INSPECTION PRIORITIZATION INFORMATION:

STAFF ASSIGNED TO SITE INSPECTION PRIORITIZATION:
STAFF REVIEWING SITE INSPECTION PRIORITIZATION DRAFT REPORT:
PRELIM. ASSESSMENT PRIORITIZATION SUBMITTED TO EPA AS DRAFT:
DATE SITE INSPECTION PRIORITIZATION FINAL IN CERCLIS:

REMEDIAL PROGRAM INFORMATION:

DATE REMEDIAL PROGRAM ASSIGNED:
STAFF ASSIGNED TO REMEDIAL PROGRAM:
REMEDIAL PROGRAM INVOLVED AT SITE:
REMEDIAL INVESTIGATION COMPLETION DATE:
REMEDIAL ACTION COMPLETION DATE:

Environmental FirstSearch
Site Detail Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SPILLS SITE

SEARCH ID: 18 **DIST/DIR:** 0.05 NW **MAP ID:** 14

NAME: BOARD OF EDUCATION
ADDRESS: TIGER LANE/NEWFIELD ST
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 923658
ID2:
STATUS: INGROUND TANK
PHONE:

CASE #: 923658
CLOSED: NO

SPILL DATE: 07/21/92
SPILL TIME:
REPORT DATE: 07/21/92

NOTIFIER: PAUL NEWMAN
PHONE: (203) 678- 678
STAFF: GOTHBERG

MATERIAL: #2 FUEL OIL
PCB LEVEL:
SOURCE: INGROUND TANK
ENV IMPACT: GROUND WATER
CONTRACTOR: TANK REMOVED/SOIL ST
PREPARE RPT:
DAYS/CLOSE:

PET/HAZ: PETROLEUM
VIR/WASTE:
INCIDENT: REMOVED TANK
QUANTITY REPORTED:
QUANTITY ACTUAL:
UNITS REPORTED:
UNITS ACTUAL:

LUST:
SOIL CONTAM:

STATE SPILLS SITE

SEARCH ID: 19 **DIST/DIR:** 0.04 SW **MAP ID:** 10

NAME: CITY OF MIDDLETOWN
ADDRESS: 680 NEWFIELD STREET
MIDDLETOWN CT
CONTACT: 916- STAVOLA, ROSANNE

REV: 12/15/00
ID1: 9906212
ID2:
STATUS: CLOSED
PHONE:

DATE OF RELEASE: 9/15/99
DISHCHARGER: CITY OF MIDDLETOWN

TIME OF RELEASE:
DISCHARGER S PHONE:

REPORT TIME: 9/15/99 12:07:45 PM
REPORTED BY: BRUCE DEVANNEY

REPORTER S PHONE: (860)528-9500

MATERIAL RELEASED: DIESEL FUEL & GASOLINE
QUANTITY SPILLED: 200 YARDS

CAUSE OF INCIDENT: INGROUND TANK FAILURE

EMERGENCY MEASURES: REMOVE 1000 GASOLINE, 3000 DIESEL AND CONTAMINATED SOIL

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SPILLS SITE

SEARCH ID: 20 **DIST/DIR:** 0.11 SW **MAP ID:** 4

NAME: DAINTY RUBBISH
ADDRESS: 634 NEWFIELD ST
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 953402
ID2:
STATUS: FUEL TANK
PHONE:

CASE #: 953402
CLOSED: NO

SPILL DATE: 06/27/95
SPILL TIME:
REPORT DATE: 06/27/95

NOTIFIER: DISP SCOTT
PHONE: (203) 346-8622
STAFF: DECAPRIO

MATERIAL: DIESEL FUEL
PCB LEVEL:
SOURCE: FUEL TANK
ENV IMPACT: SOIL
CONTRACTOR:
PREPARE RPT:
DAYS/CLOSE:
UNITS ACTUAL:

PET/HAZ: PETROLEUM
VIR/WASTE:
INCIDENT: SANDED
QUANTITY REPORTED: 30
QUANTITY ACTUAL:
UNITS REPORTED: GALLONS

LUST:
SOIL CONTAM:

STATE SPILLS SITE

SEARCH ID: 21 **DIST/DIR:** 0.11 SW **MAP ID:** 4

NAME: MIDDLETOWN TOYOTA
ADDRESS: 634 NUEFIELD ST
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 952858
ID2:
STATUS: ILLEGAL DISCHAR
PHONE:

CASE #: 952858
CLOSED: NO

SPILL DATE: 06/02/95
SPILL TIME:
REPORT DATE: 06/02/95

NOTIFIER: PATRICK TULLEY
PHONE: (203) 667-2987
STAFF: ACETO

MATERIAL: OIL/ETHYLENE GLYCOL
PCB LEVEL:
SOURCE: ILLEGAL DISCHAR
ENV IMPACT: SOIL
CONTRACTOR:
PREPARE RPT:
DAYS/CLOSE:
UNITS ACTUAL:

PET/HAZ: PETROLEUM
VIR/WASTE:
INCIDENT:
QUANTITY REPORTED: 10
QUANTITY ACTUAL:
UNITS REPORTED: GALLONS

LUST:
SOIL CONTAM:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SPILLS SITE

SEARCH ID: 22 **DIST/DIR:** 0.10 NW **MAP ID:** 15

NAME: PRIMARY STEEL
ADDRESS: PRIMARY STEEL, 760 NEWFIELD STREET
MIDDLETOWN CT
CONTACT: 0- NO RESPONSE

REV: 12/15/00
ID1: 9703791
ID2:
STATUS: CLOSED
PHONE:

DATE OF RELEASE: 7/16/97
DISHCHARGER: PRIMARY STEEL

TIME OF RELEASE: 12/30/99 9:10:00
DISCHARGER S PHONE: (860)343-5111

REPORT TIME: 12/30/99 9:10:00 AM
REPORTED BY: FIRE DISP. GARY

REPORTER S PHONE: (860)346-8623

MATERIAL RELEASED: #2 HEATING OIL, 10,000 GALLON UST REMOVED
QUANTITY SPILLED: 10 YARDS

CAUSE OF INCIDENT: INGROUND TANK FAILURE

EMERGENCY MEASURES: UST REMOVED, CONTAMINATED SOIL EXCAVATED.

STATE SPILLS SITE

SEARCH ID: 23 **DIST/DIR:** 0.11 NW **MAP ID:** 16

NAME: SHAWMUT BANK OF BOSTON
ADDRESS: 760 NEWFIELD ST
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 921793
ID2:
STATUS: ILLEGAL DISCHAR
PHONE:

CASE #: 921793
CLOSED: NO

SPILL DATE: 04/21/92
SPILL TIME:
REPORT DATE: 04/21/92

NOTIFIER: DAVE STOKES
PHONE:
STAFF: WOFFORD

MATERIAL: PAINT/OILS/CHEMICALS
PCB LEVEL:
SOURCE: ILLEGAL DISCHAR
ENV IMPACT:
CONTRACTOR: CONTAINED/REMOVED
PREPARE RPT:
DAYS/CLOSE: UNITS ACTUAL:

PET/HAZ: PETROLEUM
VIR/WASTE:
INCIDENT: REMOVED
QUANTITY REPORTED:
QUANTITY ACTUAL:
UNITS REPORTED:

LUST:
SOIL CONTAM:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SPILLS SITE

SEARCH ID: 24 **DIST/DIR:** 0.10 NW **MAP ID:** 12

NAME: TOWN & COUNTRY AUTO
ADDRESS: CONNECTICUT RIVER
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 943300
ID2:
STATUS: TRANS/CAPACITOR
PHONE:

CASE #: 943300
CLOSED: NO

SPILL DATE: 06/12/94
SPILL TIME:
REPORT DATE: 06/12/94

NOTIFIER: F F BOROWICZ
PHONE: (203) 729-8623
STAFF:

MATERIAL: GASOLINE
PCB LEVEL:
SOURCE: TRANS/CAPACITOR
ENV IMPACT: SOIL SWTR
CONTRACTOR:
PREPARE RPT:
DAYS/CLOSE:

PET/HAZ: PETROLEUM
VIR/WASTE:
INCIDENT: NONE REQUIRED
QUANTITY REPORTED: 10
QUANTITY ACTUAL:
UNITS REPORTED: GALLONS
UNITS ACTUAL:

LUST:
SOIL CONTAM:

STATE SPILLS SITE

SEARCH ID: 25 **DIST/DIR:** 0.10 NW **MAP ID:** 12

NAME: TOWN & COUNTRY AUTO SALES
ADDRESS: 750 NEWFIELD ST
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 961354
ID2:
STATUS: INGROUND TANK
PHONE:

CASE #: 961354
CLOSED: NO

SPILL DATE: 03/27/96
SPILL TIME:
REPORT DATE: 03/27/96

NOTIFIER: ANONYMOUS
PHONE:
STAFF: ALEXANDER

MATERIAL: HYDRAULIC OIL
PCB LEVEL:
SOURCE: INGROUND TANK
ENV IMPACT: GWTR
CONTRACTOR:
PREPARE RPT:
DAYS/CLOSE:

PET/HAZ: PETROLEUM
VIR/WASTE:
INCIDENT:
QUANTITY REPORTED:
QUANTITY ACTUAL:
UNITS REPORTED:
UNITS ACTUAL:

LUST:
SOIL CONTAM:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SPILLS SITE

SEARCH ID: 26 **DIST/DIR:** 0.05 NW **MAP ID:** 14

NAME:
ADDRESS: TIGER LANE/RT 372
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 925003
ID2:
STATUS: 1
PHONE:

CASE #: 925003
CLOSED: NO

SPILL DATE: 10/01/92
SPILL TIME:
REPORT DATE: 10/01/92

NOTIFIER: DISPATCHER
PHONE: (203) 346-8622
STAFF: GOTHBERG

MATERIAL: OIL
PCB LEVEL:
SOURCE: 1
ENV IMPACT: GROUND SURFACE
CONTRACTOR:
PREPARE RPT:
DAYS/CLOSE: UNITS ACTUAL:

PET/HAZ: PETROLEUM
VIR/WASTE:
INCIDENT: SANDED
QUANTITY REPORTED:
QUANTITY ACTUAL:
UNITS REPORTED:

LUST:
SOIL CONTAM:

STATE SPILLS SITE

SEARCH ID: 27 **DIST/DIR:** 0.05 SW **MAP ID:** 17

NAME:
ADDRESS: 660 NEWFIELD ST
MIDDLETOWN CT 06457
CONTACT:

REV:
ID1: 914742
ID2:
STATUS: ILLEGAL DISCHAR
PHONE:

CASE #: 914742
CLOSED: NO

SPILL DATE:
SPILL TIME:
REPORT DATE: 11/12/91

NOTIFIER: JAMES CHUBICTZ
PHONE: (203) 344- 817
STAFF: PORTER

MATERIAL: DRUM DUMPING
PCB LEVEL:
SOURCE: ILLEGAL DISCHAR
ENV IMPACT:
CONTRACTOR: NO SPILL
PREPARE RPT:
DAYS/CLOSE: UNITS ACTUAL:

PET/HAZ: OTHER
VIR/WASTE:
INCIDENT: 1
QUANTITY REPORTED:
QUANTITY ACTUAL:
UNITS REPORTED:

LUST:
SOIL CONTAM:

Environmental FirstSearch
Site Detail Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

STATE SPILLS SITE

SEARCH ID: 28 **DIST/DIR:** 0.10 NW **MAP ID:** 15

NAME:
ADDRESS: NEWFIELD ST (RT. 3)
MIDDLETOWN CT

CONTACT: 0- NO RESPONSE

REV: 12/15/00
ID1: 9603335
ID2:
STATUS: CLOSED
PHONE:

DATE OF RELEASE: 7/2/96
TIME OF RELEASE: 12/30/99 15:32:00
DISHCHARGER:
DISCHARGER S PHONE:

REPORT TIME: 12/30/99 3:46:00 PM
REPORTED BY: FF. ROSS
REPORTER S PHONE: 246-8623

MATERIAL RELEASED: #2 FUEL OIL
QUANTITY SPILLED: 15 GAL

EMERGENCY MEASURES:

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 34 **DIST/DIR:** 0.10 NW **MAP ID:** 12

NAME: TOWN COUNTRY AUTO SALES INC
ADDRESS: 750 NEWFIELD ST
MIDDLETOWN CT 06457
CONTACT:

REV: 12/15/00
ID1: 01605
ID2:
STATUS:
PHONE:

TOTAL NUMBER OF TANKS: 3

TANK ID: 1
TANK STATUS: Permanently Out of Use-Tank removed from ground

DATE INSTALLED:	7/1/75	**DATE LAST USED:**	9/1/84
SUBSTANCE STORED:	Gasoline	**CAPACITY (GALS):**	4000
TANK MATERIAL:	Asphalt Coated or Bare Steel	**TANK PROTECTION:**	None
PIPE MATERIAL:	Bare Steel	**PIPE PROTECTION:**	None

TANK ID: 2
TANK STATUS: Permanently Out of Use-Tank removed from ground

DATE INSTALLED:	7/1/75	**DATE LAST USED:**	9/1/84
SUBSTANCE STORED:	Heating Oil	**CAPACITY (GALS):**	2000
TANK MATERIAL:	Asphalt Coated or Bare Steel	**TANK PROTECTION:**	None
PIPE MATERIAL:	Bare Steel	**PIPE PROTECTION:**	None

TANK ID: 3
TANK STATUS: Currently In Use-

DATE INSTALLED:	7/1/75	**DATE LAST USED:**	
SUBSTANCE STORED:	Used Oil	**CAPACITY (GALS):**	2000
TANK MATERIAL:	Asphalt Coated or Bare Steel	**TANK PROTECTION:**	None
PIPE MATERIAL:	Bare Steel	**PIPE PROTECTION:**	None

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 35 **DIST/DIR:** 0.04 SW **MAP ID:** 10

NAME: CITY OF MIDDLETOWN
ADDRESS: 680 NEWFIELD STREET
MIDDLETOWN CT 06457
CONTACT: 916- STAVOLA, ROSANNE

REV: 12/15/00
ID1: 9906212
ID2:
STATUS: CLOSED
PHONE:

DATE OF RELEASE: 9/15/99
DISHCHARGER: CITY OF MIDDLETOWN
TIME OF RELEASE:
DISCHARGER S PHONE:

REPORT TIME: 9/15/99 12:07:45 PM
REPORTED BY: BRUCE DEVANNEY
REPORTER S PHONE: (860)528-9500

MATERIAL RELEASED: DIESEL FUEL & GASOLINE
QUANTITY SPILLED: 200 YARDS

CAUSE OF INCIDENT: INGROUND TANK FAILURE

EMERGENCY MEASURES: REMOVE 1000 GASOLINE, 3000 DIESEL AND CONTAMINATED SOIL

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 36 **DIST/DIR:** 0.10 NW **MAP ID:** 15

NAME: PRIMARY STEEL
ADDRESS: PRIMARY STEEL, 760 NEWFIELD STREET
MIDDLETOWN CT 06457
CONTACT: 0- NO RESPONSE

REV: 12/15/00
ID1: 9703791
ID2:
STATUS: CLOSED
PHONE:

DATE OF RELEASE: 7/16/97
DISHCHARGER: PRIMARY STEEL
TIME OF RELEASE: 12/30/99 9:10:00
DISCHARGER S PHONE: (860)343-5111

REPORT TIME: 12/30/99 9:10:00 AM
REPORTED BY: FIRE DISP. GARY
REPORTER S PHONE: (860)346-8623

MATERIAL RELEASED: #2 HEATING OIL, 10,000 GALLON UST REMOVED
QUANTITY SPILLED: 10 YARDS

CAUSE OF INCIDENT: INGROUND TANK FAILURE

EMERGENCY MEASURES: UST REMOVED, CONTAMINATED SOIL EXCAVATED.

Environmental FirstSearch
Site Detail Report

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

No sites were selected!

Environmental FirstSearch
Federal Databases and Sources

1. NPL: ***National Priority List.*** The EPA's list of confirmed or proposed Superfund sites. Source: Environmental Protection Agency.

   Updated quarterly.

2. CERCLIS: ***Comprehensive Environmental Response Compensation and Liability Information System.*** The EPA's database of current and potential Superfund sites currently or previously under investigation. Source: Environmental Protection Agency.

   Updated quarterly.

3. RCRIS: ***Resource Conservation and Recovery Information System.*** The EPA's database of registered hazardous waste generators and treatment, storage and disposal facilities. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List). Source: Environmental Protection Agency.

   Updated quarterly.

4. ERNS: ***Emergency Response Notification System.*** The EPA's database of emergency response actions. Source: Environmental Protection Agency.

   Updated quarterly.

5. NPDES: ***National Pollution Discharge Elimination System.*** The EPA's database of all permitted facilities receiving and discharging effluents. Source: Environmental Protection Agency.

   Updated semi-annually.

6. FINDS: ***The Facility Index System.*** The EPA's Index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. Source: Environmental Protection Agency.

   Updated semi-annually.

7. TRIS: ***Toxic Release Inventory System.*** The EPA's database of

   all facilities that have had or may be prone to toxic material releases. Source: Environmental Protection Agency.

   Updated semi-annually.

8. ACEC: ***Areas of Critical Environmental Concern.*** This database

   contains contact information for threatened and endangered species. Source: U.S. Fish and Wildlife Services, Ecological Services Offices; State GIS Departments.

Updated periodically.

9. **Floodplains** - 100 year and 500 year flood zone boundaries for select counties in the United States. Source: Federal Emergency Management Agency (FEMA).

   This database will be updated by us as new data becomes available for purchase.

10. **Historic Sites**- National Register of Historical Places Database. The nation's official list of cultural resources worthy of preservation. Properties listed include districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture. Source: National Park Service.

    Updated yearly.

11. **Wetlands** - U.S. Fish and Wildlife Service produces information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. This data is available for select areas of the United States.
    Source: U.S. Fish and Wildlife Service, National Wetlands Inventory.

    This database will be updated by us as new data becomes available for purchase.

12. **Land Use** - Federal Land data includes information from the following government agencies including Bureau of Indian Affairs, Bureau of Reclamation, Bureau of Land Management, Department of Defense, Forest Service, Fish and Wildlife Service, National Park Service, and the Tennessee Valley Authority. This database also contains data regarding wild and scenic rivers. Source: USGS.

    Updated periodically.

Environmental FirstSearch
Connecticut Databases and Sources

1. **State Sites:** Inventory and Suspected Hazardous Waste Sites. The Department of Environmental Protection Agency's database of known and suspected waste sites maintained by the Bureau of Waste Management.
   Updated Quarterly.

2. **Spills:** The Department of Environmental Protection Agency's database of emergency response actions and spill releases maintained by the Oil and Chemical Spill Response Division of the Bureau of Waste Management.
   Updated quarterly.

3. **Solid Waste Landfills:** The Department of Environmental Protection Agency's database of active solid waste landfill facilities maintained by the Solid Waste Program of the Bureau of Waste Management.
   Updated annually.

4. **Permits:** The Department of Environmental Protection Agency's database CPOCS (CT Permits and Order Compliance System) maintained by the Bureau of Water Management. Notices of Violations are included.
   Updated semi-annually.

5. **UST:** Underground Storage Tanks. The Department of Environmental Protection Agency's database of registered underground storage tanks maintained by the Underground Storage Tank Enforcement Program of the Bureau of Waste Management.
   Updated semi-annually.

6. **LUST:** Leaking Underground Storage Tanks. The Department of Environmental Protection Agency's database of leaking underground storage tanks maintained by the Underground Storage Tank Enforcement Program of the Bureau of Waste Management.
   Updated quarterly.

7. **PWS:** Public Water Supplies. The Department of Environmental Protection Agency's public water supply locations maintained by the Bureau of Environmental Services.
   Updated annually.

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: 680 NEWFIELD ST
MIDDLETOWN CT 06457

JOB: NEW6003.P1
FORMER PORTLAND CHEMICAL

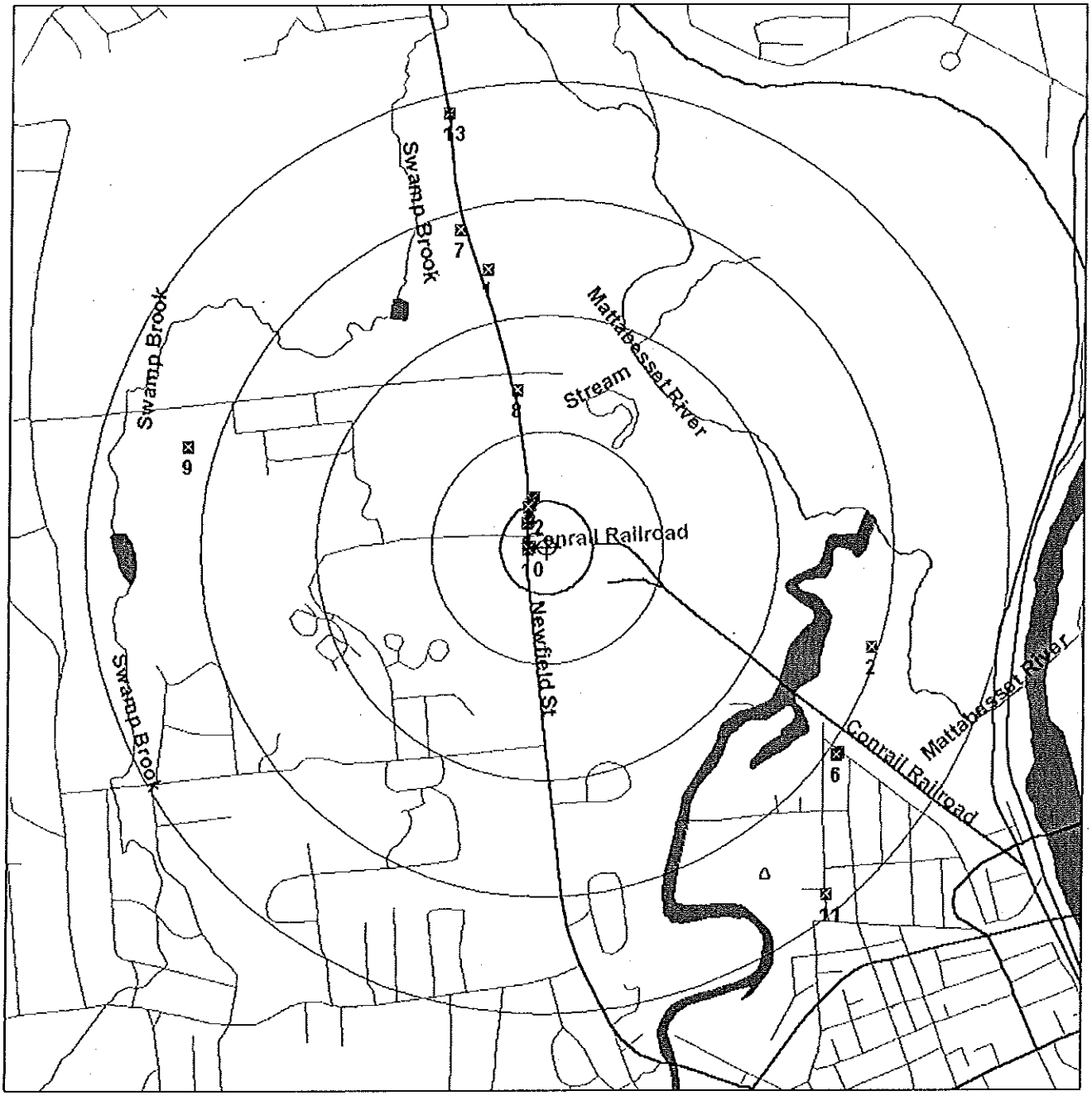
Street Name	Dist/Dir	Street Name	Dist/Dir
Newfield St	0.04 SW		
Tiger Ln	0.02 NE		
Wilderman Way	0.05 NW		

Environmental FirstSearch

1 Mile Radius

ASTM Map: NPL, RCRACOR, STATE Sites

680 NEWFIELD ST, MIDDLETOWN CT 06457



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 41.577883 Longitude: -72.671183) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.5 Mile Radius

ASTM Map: CERCLIS, RCRATSD, LUST, SWL

680 NEWFIELD ST, MIDDLETOWN CT 06457

Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 41.577883 Longitude: -72.671183) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRAGEN, ERNS, UST

680 NEWFIELD ST, MIDDLETOWN CT 06457

Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 41.577883 Longitude: -72.671183) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

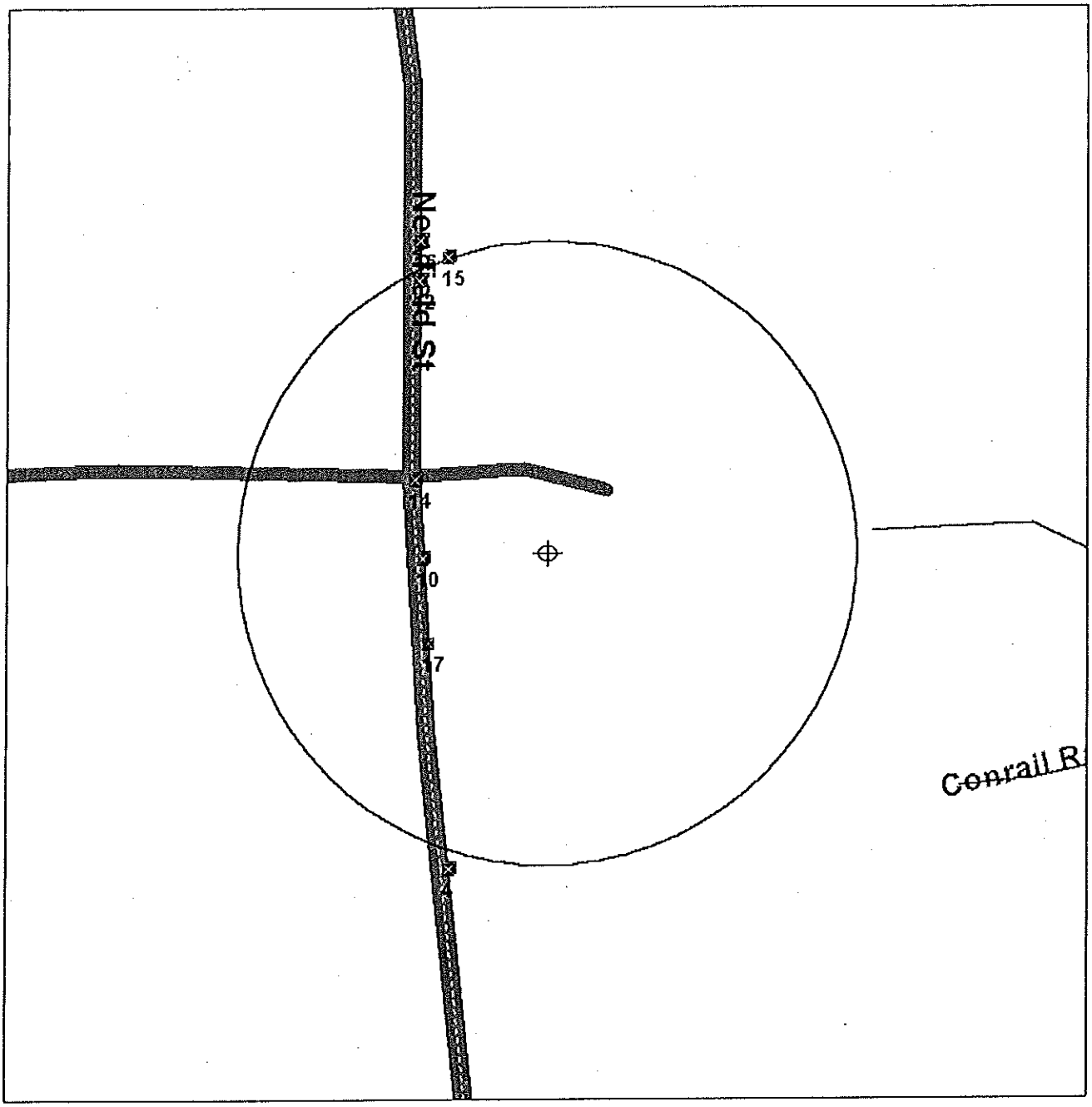
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.15 Mile Radius

Non-ASTM Map: Spills 90

680 NEWFIELD ST, MIDDLETOWN CT 06457



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 41.577883 Longitude: -72.671183) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

National Historic Sites and Landmark Sites .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

APPENDIX D

COPIES OF SELECTED CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION FILES

4 Charlie

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OFFICE BUILDING HARTFORD, CONNECTICUT 06115

Oil Spill Report

DATE: 8/6/80 TIME: 7:00 AM

FROM TROOP: _____ BY: Mrs. I. W. Chappel PHONE: 342-1632

REPRESENTING (COMPANY): 107 High St

ADDRESS (COMPANY): Portland

LOCATION OF SPILL (CITY & STATE): Newfield St. (Middletown)

TO (BODY OF WATER): tributary upstream of Mattabassett STP

QUANTITY AND TYPE: odor problem (similar to malthion)

AMOUNT THAT REACHED THE WATER: thinks problem may be in water

SOURCE: Phillips Chemical or Portland Chemical

CAUSE: Unable to locate odor

DISCHARGE STOPPED: _____ CONTAINMENT MEASURES: _____

OTHER AGENCIES CONTACTED: waste disposal site

DATE AND TIME OF SPILL: _____

LEGAL RESPONSIBILITY ACCEPTED BY POLLUTER: _____

CLEANUP ACTIONS BEING TAKEN: occurs in early summer

CLEANUP CONTRACTOR: _____ REQUESTED: _____ ARRIVED: _____

CONTAINMENT LOCATION: _____

REMOVAL LOCATION: _____

B. Goss
SIGNATURE

USE REVERSE SIDE FOR
ADDITIONAL INFORMATION

H.A.M.S.
OIL AND CHEMICAL SPILLS
INPUT TRANSACTION FORM

(✓) ADD
( ) CHANGE
( ) DELETE

********** I - S P I L L I N F O R M A T I O N **********
* #1.DATE OF INCIDENT: 8/6/80
* #2.TOWN OF INCIDENT: Middletown
* 3.NAME OF DISCHARGER: unknown
* 4.LOCATION OF INCIDENT: Newfield St.
********** II - S U B S T A N C E S P I L L E D **********
* T Y P E
* #1.OIL ( ) #4.OTHER ( )
* #2.GAS (✓)
* #3.CHEMICAL ( ) #5.NAME: Odor problem
* #6.TOTAL SPILL VOLUME: Unknown
* 7.TOTAL RECOVERED %(✓) AMT( ) 0
* 8.NAME OF WATER BODY AFFECTED: none
* 9.TOTAL IN WATER BODY %( ) AMT( )
* 10.RECOVERED FROM WATER BODY %( ) AMT( )
********** #III - C A U S E S **********
*
*->->-> #6.MAJOR CATEGORIES:
*
* 1.VESSELS ( ) 2.MARINE TERMINAL ( ) 3.INDUSTRIAL ( )
* 4.TRANSPORTATION ( ) 5.PRIVATE ( ) 6.GOVERNMENTAL ( )
* 7.UNKNOWN (✓) 8.COMMERICAL ( )
*
*->->-> #8.MINOR CATEGORIES:
*
* 1.UNKNOWN ( ) 2.HOSE FRACTURE ( ) 3.PIPE FRACTURE ( )
* 4.INGROUND FAILURE ( ) 5.ABOVE GROUND FAILURE ( )
* 6.CARGO TANK FRACTURE ( ) 7.FUEL TANK FRACTURE ( )
* 8.HULL FRACTURE ( ) 9.TANK OVERFILL ( ) 10.CONTAINER FAILURE ( )
* 11.VALVE FAILURE ( ) 12.FIRE ( ) 13.POWER FAILURE ( )
* 14.PUMP FAILURE ( )
* 15.PUMPING ( ) 16.DUMPING ( ) 17.DISCHARGING ( )
* 18.SINKING ( ) 29.SEEPAGE ( )
* 20.PUMPING BILGE ( ) 21.OPEN HATCH ( ) 22.VANDALISM ( )
* 23.BLOW BACK ( ) 24.ROAD OILING OR REPAIR ( )
* 25.VEHICULAR ACCIDENT ( ) SPECIFY OTHER: Odor problem
*
********** #IV - C O R R E C T I V E A C T I O N S **********
* 1.NONE ( ) 2.NONE REQUIRED (✓) 3.UNKNOWN ( )
* 4.REMOVED ( ) 5.CONTAINED AND REMOVED ( )
*
* 7.DISSIPATED ( ) 8.EVAPORATED ( ) 9.SANDED ( ) 10.FLUSHED ( )
* 11.FOAMED ( ) 12.CONTRACTED ( ) 13.REFERRED ( ) 14.CLEANED ( )
* 15.WASHED DOWN ( ) 16.PUMPED OUT ( ) 17.NEUTRILIZED ( )
* 18.RECOVERY SYSTEM ( ) 19.REPAIRED LINE ( ) 20.REPAIRED TANK ( )
* 21.REMOVED TANK ( )
* SPECIFY OTHER: no problem determined
* ESTIMATED CLEAN-UP COST:
********** V - C U R R E N T S T A T U S **********
* 1. Monitor
* #2.LAST DATE INSPECTED: 8/6/80
*
* #3.INSPECTOR: C.Z.
* #4.DATE: 8-26-80
* INIT SIGNATURE

Site ID # CTHW123 (Portland Chemical, owned by Phillipp Bros.)

Part A Application Yes ___ No___

RCRA INSPECTION CHECKLIST

Site Name: Phillipp Bros. Chemicals, Inc. Inspection Date: 9/4/81

Site Location: 680 Newfield St. Type of Facility: _____

Middletown Generator: _____

Phone No: ( ) 346-9603 Transporter: V

Inspectors: TSD: _____

EPA: _____ Permits Issued: _____

State: Paul Hassler _____

Industry: Don Perrotti In Compliance Yes _____ No_____

I. Generator with Tank, Storage or TSD Facility

A. Pre-Inspection Meeting

1. General Information (Process Description, etc.)

Phillipp Brothers Chemicals, Inc is the parent company of both Portland Chemical Works and C.P. Chemicals. C.P. Chemicals located in Seawarren, N.J. Phillipp Bros. are the Connecticut supplier of virgin chemical stock manufactured in New Jersey by C.P. Chemicals. Portland Chemical Works handle all of Phillipp Bros.' transportation, and the I.D. number on top of this page is Portland's transporter number. Phillip Bros. site at 680 Newfield St. is a warehouse (2), and all trucks parked here (mostly trailers) are owned by Portland. No waste is stored at 680 Newfield St., instead going from directly from customer to C.P. Chem. (N.J.) - all Portland waste transportation is a service to customers who purchase Phillipp Bros. chemical stock. Only wastes hauled are Ni + Cu sludges, spent plating solutions & which reprocessed by C.P. Chemicals. Transport is done with

(see notes pg. 10)

2. Hazardous Waste Profile

Type of Waste	Amt. of Waste kg/mo	Onsite Temp. Storage/ TSD	Transporter	Offsite TSD

three tank trucks, all N.J. registration and kept when not in use at C.P. Chemicals: 1) TM 436W (4250 gal.); 2) TN 287K (4250 gal.); 3) 877 TDD (5000 gal.). All were unavailable for inspection, rarely stopping at 680 Newfield St., but Mr. Perotti stated 2 trucks have CT HW 123 on 3 sides, 3rd truck being Philadelphia for repair. Some waste may be hauled in drums by trailer trucks (discouraged); claim will notify us if this happens + use CT HW 123 - supplied complete list of Portland-owned trucks (see attachment; 14 trucks, 40 trailers). No Connecticut transport yet, 1st shipments expected mid-September. Have stock of new Ct. manifests and monthly report forms for future use. Below manifest is special occurrence!

3. Records

262.21 a.) Manifest — Manifests may be checked ahead of time by state personnel who have them on file - otherwise, random selection of some during inspection for review. Must be kept for 3 years.

1) Document No.: CT0010479

2) Generator ID, name, address: NJD002141950 C.P. Chemicals, Seawarren, N.J.

3) Transporter(s) ID, name, address: CTD009717604 Solvents Recovery Services, Southington, Ct.

4) TSD Facility ID, name, address: Same as transporter

5) Waste Type of Quantity: 4620 gal. (tank) waste flam. liquid NOS.

6) Date of Acceptance: 8/24/81

262.50 i) International Shipping Manifest: _____

262.42 ii) Exception Report: _____

Manifest for disposal of unused virgin stock at 680 Newfield St warehouses that would not sell (off-specs., poor mixes). Only manifest used by Phillipp Bros. so f

265.13 b.) Waste Analysis Plan

1. Plan on site: _____

2. Plan should include (a) parameters: _____

(b) test methods: _____

(c) sampling method: _____

(d) frequency: _____

3. Copy of Results _____

265.15 c.) Inspection Schedule and log

1) Are inspections conducted _____

2) *Written inspection schedule _____

3) Inspection Log _____

(A) Daily - loading and unloading of areas subject to spills: _____
- discharge control equipment in tanks: _____
- incinerator system, thermal treatment equilpment, _____
- chem/phys/biol treatment equipment: _____
- freeboard level of surface impoundments: _____

(B) Weekly - physical conditions of containers: _____
- " tanks: _____
- " surface impoundments: _____
- " chem/phys/bio. treatment facility: _____

265.16 *d.) Personnel Training Records

1.) Job titles/position descriptions and name of employee

_____

_____

2.) Description of training: _____

3.) Records of Training: _____

4.) Training completed: _____

* Required for Temporary Storage

*e.) Contingency Plan

265.53 1. Plan on site: _____

265.53 2. Plan to local authorities: _____

265.52 3. Content of Plan: _____

a) Emergency plan: _____

b) Local authority arrangements: _____

c) Identify emergency coordinator: _____

d) List of emergency plans: _____

e) Evacuation plans: _____

f.) Closure and Post-closure Plans; Cost Estimates

265.112, .113, .114, .115 1. Closure Plan (TSD Facilities) -

a) Plan on site:

b) Does plan include:

1) Schedule of partial closure if applicable: _____

2) Estimate of maximum inventory of waste in storage or treatment at given time: _____

3) Schedule for final closure & an estimate of the expected year of closure: _____

4) Description of steps needed to decontaminate facility equipment: _____

5) Total time required for closure: _____

6) Certification of closure: _____

265.117, .118 2. Post-closure Plan (disposal facilities only)

a) Plan on site: _____

b) Does plan identify and include frequency of: _____

o planned ground water monitoring: _____
o planned maintenance & security activities: _____
o name, address and phone number of Post-closure contact: _____

c) Length of Post-closure period identified: _____

* Required for Temporary Storage

265.142 3. Closure Cost Estimate (TSD facilities)

a) Estimate on site: Amount of estimate:

b) Estimate adjusted annually on 11/19 for inflation:

c) Has Closure Plan changed?

d) If answer to 3 is yes, has cost estimate changed?

265.144 4. Post-closure Cost Estimate (disposal facilities only)

a) Estimate on site: Amount of estimate:

b) Estimate adjusted annually on 11/19 for inflation:

c) Has Post-closure plan changed?

d) If answer to 3 is yes, has cost estimate changed?

265.73 g) Operating Records

1. Records on site_____

2. Description, quantity, method and dates of disposal:_____

_____

3. Location onsite and manifest number:_____

_____

4. Results of waste analysis:_____

5. Record of any incidents requiring use of contingency plan:____

_____

6. Records and results of inspections:_____

7. Closure and post-closure cost estimates if needed:_____

B. Inspection

265.14 1. Site Security

a) 24 hour surveillance system:_____

b) or Artificial or natural barrier:_____

c) and Means to control entry:_____

d) Danger sign posted at each entrance legible at 25':_____

265.30-.37 **2. Site Preparedness/Prevention

a) Internal communication/alarm: _____

b) Telephone/2-way radio: _____

c) Portable fire control equipment: _____

d) Adequate water for fire control: _____

e) Testing and Maintenance of equipment: _____

f) Adequate aisle spare: _____

g) Access to equipment: _____

265,170-.177 3. Containers

Leaks _____

Ruptures _____

Corrosion _____

Closed Except in use _____

Heat/Pressure _____

50' bufferzone for I and R wastes:

I = Ignitable _____; R = Reactive _____

No smoking signs near I or R waste _____

Separation of incompatible wastes _____

Evidence of spills _____

262.30-.34 Pretransport requirements: packaging _____

labelling _____

marking _____

placarding _____

Date of Waste Accumulation _____

*NYR Check for impermeable base under containers, any drains, secondary containment

*NYR - Not yet regulated

265.190-.199 4. Tanks

Leaks _____

Ruptures _____

Corrosion: Check valves, piping controls for signs of corrosion _____

≥ 2' freeboard or containment _____

Heat/pressure _____

Evidence of spills _____

Inflow and outflow controls _____

Continuous Inflow _____ Means to stop flow? _____

Special Requirements for I and R wastes _____

265.220-.230 5. Surface Impoundments (Pits, Ponds and lagoons)

Protective Cover on Dikes _____

≥ 2' freeboard _____

Special requirements for I and R waste _____

Evidence of fire, explosion - leak _____

*NYR Liner _____

265.90-.94 **Groundwater Monitoring _____

265.250-.257 6. Waste Piles

Wind erosion control _____

**Prevention of leachate from pile (if hazardous) _____

Special requirements for I and R waste _____

Evidence of fire, explosion, leak _____

Separation of incompatible wastes _____

Waste analysis _____

*NYR - Not yet regulated

**November 19, 1981

265.340
265.382

7. Incinerators/Thermal Treatment

a) Steady State conditions _____

b) Inspect combustion and emission control instruments every 15 minutes _____

c) Observe stack plume hourly _____

d) Waste analysis:

1) Heating value of waste _____

2) Organic halogen content _____

3) Sulfur content _____

4) Lead concentrations _____

5) Mercury concentrations _____

e) Evidence of leaks of spills (pumps, valves, conveyors and pipes) _____

f) Daily Inspection of Emergency shutdown controls and Alarm systems _____

g) Special Requirements for incompatible wastes _____

265.272 - 265.282

8. Phys/Chem/Bio. Treatment

a) Leaks _____

b) Ruptures _____

c) Corrosion _____

d) Waste cut off _____

e) Waste analysis _____

f) Special Requirements for I and R waste _____

g) Special Requirements for incompatible wastes _____

265.272 –
265.282 9. Land Treatment

a) Approval document _____

*b) Run-on diversion _____

*c) Run-off collection; Treat if necessary _____

d) Waste Analysis _____

e) Presence of food chain crops, if so, refer to 265.276 _____

f) Unsaturated zone monitoring plan _____

g) Unsaturated zone waste analysis _____

h) Records of application dates, rates, quantities and location of waste _____

i) Special requirements for I and R wastes _____

j) Special requirements for incompatible wastes _____

265.90-.94 *k) Groundwater Monitoring _____

265.302-.315 10. Landfills

*a) Run-on diversion _____

*b) Run-off collection; Treat if necessary _____

c) Wind dispersion controlled _____

d) Records of all dimensions, locations, and contents _____

e) Special Requirements for I and R wastes _____

f) Special Requirements for Incompatible Wastes _____

*g) Special Requirements for liquids _____

*h) Reduction in volume of empty containers _____

265.90-.94 *i) Groundwater Monitoring _____

Subpart R 11. Underground Injection

Consult appropriate subparts.

C. Requests for Information

Claim only take Ni + Cu sludges, in separate tanks, wastes do not get mixed; no incompatibility + no rinsing of tanks necessary. No treatment done, but tanks are rubber lined Frank Dunn is superintendant of 680 Newfield St's 2 warehouses.

D. Photos Taken

NONE

E. Sampling Inspection Needed

They discourage waste hauling in barrels, but when done they consult customers: supply labels for barrels, require only DOT spec. barrels. Have complete list of all vehicles owned by Phillipp Bros./Portland Chem. Works.

F. Potential for Imminent Hazard, Air, or Water Discharge Violations

Warehouse area completely paved; store only barrels (55gal) and bags of virgin stock. No tank storage. Very little waste oil is taken by licensed waste oil dealer (check with Frank Dunn on this). Collect in two small tanks (200 gal. approx.)

G. Proximity to Residential Area, Surface Water, Recharge Zone, etc.

Commercial + rural area, with a few scattered homes

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANAGEMENT SECTION

TRANSPORTER PERMIT

Name of Permittee: Portland Chemical Works, Inc.

Address of Permittee: 680 Newfield Street
Middletown, Connecticut 06457

Telephone Number: (203) 346-2390

Vehicle Identification No.: CT-HW-123

EPA Identification No.: CTD 069 262 186

Effective Date: August 9, 1983

Expiration Date: June 30, 1984

In compliance with all applicable provisions of the Connecticut Hazardous Waste Management Regulations and Section 22a-454 (formerly Section 25-54bb) of the Connecticut General Statutes and the conditions attached to this permit, you are authorized to transport the waste types specified in this permit (see page 2).

For the Department of Environmental Protection:

August 9, 1983
Date

Stanley J. Pac
Stanley J. Pac
Commissioner

Phone
165 [illegible] Avenue • Hartford, Connecticut 06106

For your Information

STATE OF CONNECTICUT

★ Thank You for Sharing Your Idea ★

Please send your ideas to: Employees' Suggestion Awards Program, State Capitol, Hartford

Interdepartment Message

STATE OF CONNECTICUT

SAVE TIME: Handwritten messages are acceptable.

To Glenn Goldsmith	ENVIRONMENTAL Analyst	9-7-83
DEP- Hazardous Material	122 washington st. HTFD Ct	
From Marie Miller	Field Inspector II	X-8843
DEP- Hazardous Material	122 washington St., HTFD. Ct.	

Subject: Transporters Permit Inspection
Portland Chemical works, INC.

① On august 29, 1983, Mike McDaniels and I met with Don Perrotti and Mr. Zaklukis to conduct an inspection of Portland Chemical works, INC. This Facility is located at 680 Newfield Street in Middletown, Connecticut.

② we check the Following items on the attached transporters permit:

III

IV

IX listed below are the vehicle viewed For the Connecticut Hazardous Waste I D Numbers

Ct. 61405	92924	84146	92926	N.J. 642TDG
41559	92931	84127	92929	
67983	92927	78074	84130	
54541	92930	67951	39317	
84124	92925	54540	81992	
84126	84131	84125	67591	

X & XI

Note: Portland Chemical Company buys bulk materials and Then Fills 55 gallon drums For sale. After The process of Filling The drums, The dripings and waste materials are collected and stored In drums For disposal. There are more the seven 55-gallon drums stored outside on The ground and on

SAVE TIME: If convenient, handwrite reply to sender on this same sheet

Portland Chemical Works
Middletown, Ct

wood pallets. The containers are in poor condition (one drum has rusted and only the plastic liner remains) and should be redrumed. There are no dates or hazardous waste lables on the drums.

IN another area (on the side of the machine shop) are seven 55 gallon drum containing a white sludge. Mr. Perrotti didn't know what the waste is.

Mr. Perrotti said the last shipment, transported by Solvent Recovery was on 8-24-81.

Portland Chemical Notified as a Transporter only

how many check transporters

★ Every Idea Is A Link In The Chain of Progress ★

Send your Ideas to: *Employees' Suggestion Awards Program, 165 Capitol Ave., Hartford, 06115*

Interdepartment Message

STO-200 REV. 5-81 *(Stock No. 6938-050-011)*

SAVE TIME *Handwritten messages are acceptable*
Use carbon if you really need a copy. If typewritten, ignore faint lines

To	NAME: File	TITLE	DATE: 9-7-83
	AGENCY	ADDRESS	
From	NAME: marie miller	TITLE: Field Inspector II	TELEPHONE: X-8843
	AGENCY: DEP - Hazardous Materials	ADDRESS: 122 Washington St., Htf.d, Ct.	

SUBJECT: Portland Chemical Works, Inc.,

on September 7, 1983 I contacted Mr. Don Perrotti, Ass't Manager at Portland Chemical Works, in Middletown, Ct., by Phone.

I advised him to remove all hazardous waste by A license hauler to a license Facility For disposal. In the Future all hazardous waste ~~materials~~ accumulation must be less then A 1000 kg to remain a Small Quantity generator.

Mr. Perrotti said he would send me a copy of the manifest when the waste was removed. (mm)

SAVE TIME: *If convenient, handwrite reply to sender on this same sheet.*

MATHIEU CORPORATION
DISTRESSED MATERIAL
BY PRODUCT

PRODUCT	QUANT	UNIT OF MEASURE	CONTAINER	LOCATION	COST
ITRIC ACID (ANY/USP)	1	50#	DR	MIDDLETOWN	
PPER CARBONATE	1	200#	DRUM	MIDDLETOWN	
PPER CARBONATE	1	200#	DRUM	MIDDLETOWN	
OPPER CARBONATE (HPG-L-SS)	1	50#	DR	MIDDLETOWN	
PPER SULFATE (ECG)	1	200#	DR	MIDDLETOWN	
PPER SULFATE (ECG)	1	97#	DR	MIDDLETOWN	
OPPER SULFATE (SMALL CRYST	2	?	DR	MIDDLETOWN	
OPER SULFATE SNOWFORM	1	100#	DR	MIDDLETOWN	
SYLIC ACID(MTRL YRS OLD/		1	TYPE B	MIDDLETOWN	
TROSE	3	100#	DRUM	SPRINGFIELD	
BUTYL THIOREA	1	100#	DR	MIDDLETOWN	
P & DIDP BLEND	2	1	FULL DRUMS	MIDDLETOWN	
OTASSIUM PHOS. GRAN.	7	100#	BAG	MIDDLETOWN	
POTASSIUM PHOSPHATE (GRAN	3	200#	DRUM	MIDDLETOWN	
ONOCHROME BK	1	100#	DR	MIDDLETOWN	
NOCHROME REG	2	200#	DR	MIDDLETOWN	
ECTROLYTE #6	1	55 GAL	DRUM	SPRINGFIELD	
ERSOL 120	1	50#	BAG	MIDDLETOWN	
EN SALT (DOW)	1	125#	DRUM	MIDDLETOWN	
ROUS SULFATE	1	145#	DR	MIDDLETOWN	
RROUS SULFATE	1	200#	DR	MIDDLETOWN	
ROUS SULFATE	1	90#	DR	MIDDLETOWN	
XOL 791 (MANY YRS. OLD /	1	?	FACTORY SEAL	MIDDLETOWN	
EXOL PLASTICIZER 426 (YRS	1	?	FACTORY SEAL	MIDDLETOWN	
XOL PLASTICIZER 810 (YRS	1	?	FACTORY SEAL	MIDDLETOWN	
XOL PLASTICIZER NHDP (YR	1	?	FACTORY SEAL	MIDDLETOWN	
URIDA ZIRCON	1	?	DR	MIDDLETOWN	
NESOLV 5433	2	10#	BOTTLES	MIDDLETOWN	
CONIC ACID 50%	1	555#	DRUM	MIDDLETOWN	
CERINE 99 (MTRL OVER YR	1	?	DRUM	MIDDLETOWN	
YCOL ETHER DE (LOW GRAVI	3	?	DRUM	MIDDLETOWN	
NIDIME NITRATE	2	100 KGS	DRUM	MIDDLETOWN	
PENE NA4	1	100#	DR	MIDDLETOWN	
MPRO DEFOAMER	1	5 GAL.	?	MIDDLETOWN	
YLINE GLYCOL	2	5 GAL	?	MIDDLETOWN	
MAG. LIME	1	50#	BAG	MIDDLETOWN	
OIBLE FATTY ACID	4	439#	DRUM	SPRINGFIELD	
OBUTYL ACETATE (MTRL YR.	3	?	DRUM	MIDDLETOWN	
CONIC ACID	10	50#	BAG	SPRINGFIELD	
D ACETATE (MALLINCKRODT)	3	350#	DRUM	MIDDLETOWN	
ME	1	100#	DRUM	MIDDLETOWN	
E	1	100#	DRUM	MIDDLETOWN	
E	1	50#	DRUM	MIDDLETOWN	
NICKEL PURIFIER	1	5 GAL	PAIL	MIDDLETOWN	
T SB-142-80	3	100#	DRUM	MIDDLETOWN	
SUPER 79	1	5 GAL	PAIL	MIDDLETOWN	
LITE	1	50#	BAG	MIDDLETOWN	
GLITE D	1	50#	DR	MIDDLETOWN	

MATHIEU CORPORATION
DISTRESSED MATERIAL
BY PRODUCT

RODUCT	QUANT	UNIT OF MEASURE	CONTAINER	LOCATION	COST
AGNESIUM CHLORIDE	1	100#	DRUM	MIDDLETOWN	
GNESIUM CHLORIDE	1	50#	DR	MIDDLETOWN	
GNESIUM CHLORIDE	1	75#	DRUM	MIDDLETOWN	
AGNESIUM CHLORIDE	1	?	?	MIDDLETOWN	
AGNESIUM CHLORIDE	1	?	?	MIDDLETOWN	
GNESIUM HYDROXIDE	1	100#	DRUM	MIDDLETOWN	
GNESIUM SULFATE	1	140#	DRUM	MIDDLETOWN	
AGNESIUM SULFATE (USP)	1	50#	DR	MIDDLETOWN	
GNESIUM SULFITE	1	100#	DRUM	MIDDLETOWN	
LIC ACID	2	50#	BAG	MIDDLETOWN	
ETA-PHOS. ACID	2	25 KGS.	?	MIDDLETOWN	
TAFOS	4	100#	BAG	MIDDLETOWN	
TAFOS	36	50#	BAG	MIDDLETOWN	
ETASAP	10	25#	BAG	MIDDLETOWN	
ETHOCEL	8	50#	BAG	SPRINGFIELD ✓	
THOCEL	16	50#	BAG	SPRINGFIELD ✓	
THOCEL	10	50#	BAG	SPRINGFIELD ✓	
ETHOCEL	40	50#	BAG	SPRINGFIELD ✓	
THOCEL K15M-DGS	16	50#	BAG	SPRINGFIELD ✓	
THYL VIOLET	1	100#	DRUM	MIDDLETOWN	
ETO 55	6	55#	BAG	MIDDLETOWN	
CROCEL E	3	50#	BAG	MIDDLETOWN	
TROL G ST	1	25#	DRUM	MIDDLETOWN	
JNOSODIUM PHOSPHATE POWDER	9	100#	BAG	MIDDLETOWN	
JRATE OF POTASH	1	200#	?	MIDDLETOWN	
RATE OF POTASH	3	100#	BAG	MIDDLETOWN	
CHLOR 31	26	500#	DR	MIDDLETOWN	
CKEL CHLORIDE (LIQUID)	1	?	PARTIAL DRUM	MIDDLETOWN	
CKEL NITRATE	2	100#	BAG	MIDDLETOWN	
CKEL SULFAMATE	1	?	PARTIAL DRUM	MIDDLETOWN	
CKEL SULFATE	1	98#	?	MIDDLETOWN	
ALIC ACID	1	50#	BAG	MIDDLETOWN	
ALIC ACID	1	?	?	MIDDLETOWN	
ONE	1	160#	DRUM	MIDDLETOWN	
G FINISH #4	1	?	DRUM	MIDDLETOWN	
YETHYLENE GLYCOL 20M	1	50#	DRUM	MIDDLETOWN	
TASSIUM CARBONATE	1	175#	DRUM	MIDDLETOWN	
TASSIUM CARBONATE	1	?	?	MIDDLETOWN	
TASSIUM CHLORIDE	3	100#	BAG	MIDDLETOWN	
TASSIUM HYDROXIDE (DRY)	4	400#	DR	MIDDLETOWN	
TASSIUM NITRATE	1	195#	?	MIDDLETOWN	
TASSIUM NITRATE	1	198#	?	MIDDLETOWN	
TASSIUM NITRATE (CRYSTAL)	5	275#	DRUM	MIDDLETOWN	
TASSIUM NITRATE (DIRTY MA	1	225#	DRUM	MIDDLETOWN	
TASSIUM NITRATE (FCC FOOD	8	400#	DRUM	MIDDLETOWN	
TASSIUM PENTABORATE	1	100#	BAG	SPRINGFIELD ✓	
TASSIUM PHOSPHATE	1	100#	?	MIDDLETOWN	
TASSIUM SULFATE (MALLINCK	4	400#	DRUM	MIDDLETOWN	

MATHIEU CORPORATION
DISTRESSED MATERIAL
BY PRODUCT

PRODUCT	QUANT	UNIT OF MEASURE	CONTAINER	LOCATION	COST
TASSIUM SULFITE	3	100#	DRUM	SPRINGFIELD	
PANOL INK GRADE (MTRL OV	1	?	FACTORY SEAL	MIDDLETOWN	
JPYL ACETATE (MTRL OVER Y	1	?	FACTORY SEAL	MIDDLETOWN	
UMICE	1	100#	DRUM	MIDDLETOWN	
1ICE F	9	100#	BAG	MIDDLETOWN	
) DYE	1	300#	DRUM	MIDDLETOWN	
OCHELLA SALTS	1	280#	DRUM	MIDDLETOWN	
CHELLE SALTS (USP/NF)	1	94#	?	MIDDLETOWN	
.ICYLIC ACID (INDUSTRIAL	1	250#	DRUM	MIDDLETOWN	
NOW WHITE FILTER	4	50#	BAG	MIDDLETOWN	
ODA ASH	1	?	?	MIDDLETOWN	
)A ASH (DENSE)	1	123#	DRUM	MIDDLETOWN	
DA ASH (DENSE)	1	147#	DRUM	MIDDLETOWN	
ODA ASH (DENSE)	1	165#	DRUM	MIDDLETOWN	
)A ASH (DENSE)	1	180#	DRUM	MIDDLETOWN	
)A ASH (DENSE)	1	200#	DRUM	MIDDLETOWN	
ODA ASH (DENSE)	1	2003	DRUM	MIDDLETOWN	
ODA ASH (DENSE)	1	96#	DRUM	MIDDLETOWN	
)A ASH (DENSE)	2	136#	DRUM	MIDDLETOWN	
ODA ASH (LIGHT)	1	100#	DRUM	MIDDLETOWN	
ODA ASH (LIGHT)	1	?	DRUM	MIDDLETOWN	
)A ASH (LIGHT)	1	?	DRUM	MIDDLETOWN	
DA ASH (LIGHT)	2	400#	DRUM	MIDDLETOWN	
ODA ASH (LIGHT)	3	100#	DRUM	MIDDLETOWN	
)A ASH (LIGHT/ AND DAMAGE	17	100#	BAG	MIDDLETOWN	
)IUM ACETATE (FOOD GRADE)	1	50#	DRUM	MIDDLETOWN	
DIUM ACID PYROPHOSPHATE	1	97#	DRUM	MIDDLETOWN	
DIUM ACID PYROPHOSPHATE	1	?	DRUM	MIDDLETOWN	
)IUM ACID PYROPHOSPHATE (	1	100#	DRUM	MIDDLETOWN	
DIUM BICARBONATE	1	90#	DRUM	MIDDLETOWN	
DIUM BICARBONATE	1	90#	DRUM	MIDDLETOWN	
)IUM BICARBONATE (INDUSTR	1	198#	DRUM	MIDDLETOWN	
)IUM BICARBONATE (USP)	1	95#	DRUM	MIDDLETOWN	
DIUM BICARBONATE (USP)	1	?	DRUM	MIDDLETOWN	
)IUM BICHROMATE	1	100#	DRUM	MIDDLETOWN	
)IUM BIFLUORIDE	1	190#	DRUM	MIDDLETOWN	
DIUM BIFLUORIDE	1	220#	DRUM	MIDDLETOWN	
DIUM BISULFATE	2	400#	DRUM	MIDDLETOWN	
)IUM BISULFATE (GBS)	1	100#	DRUM	MIDDLETOWN	
DIUM BISULFITE	1	100#	DRUM	MIDDLETOWN	
DIUM BISULFITE	1	200#	DRUM	MIDDLETOWN	
)IUM BISULFITE	1	250#	DRUM	MIDDLETOWN	
)IUM BISULFITE	1	50#	DRUM	MIDDLETOWN	
DIUM BISULFITE (ANHYDROUS	9	50#	BAG	MIDDLETOWN	
DIUM BISULFITE (META)	1	100#	DRUM	MIDDLETOWN	
)IUM CHLORIDE (TX10)	1	240#	DRUM	MIDDLETOWN	
DIUM CHLORIDE (TX10)	1	80#	DRUM	MIDDLETOWN	
DIUM CHROMATE	1	100#	DRUM	MIDDLETOWN	

MATHIEU CORPORATION
DISTRESSED MATERIAL
BY PRODUCT

RODUCT	QUANT	UNIT OF MEASURE	CONTAINER	LOCATION	COST
)DIUM CHROMATE	1	100#	DRUM	MIDDLETOWN	
)DIUM CHROMATE	1	200#	DRUM	MIDDLETOWN	
ODIUM CHROMATE	1	50#	DRUM	MIDDLETOWN	
)DIUM FLUORIDE	1	50#	?	MIDDLETOWN	
)DIUM FLUORIDE (GRANULAR)	49	100#	DRUM	MIDDLETOWN	
ODIUM FORMATE (IMPORT)	3	55#	BAG	MIDDLETOWN	
ODIUM HEXAMETA PHOSPHATE	44	100#	BAG	MIDDLETOWN	
)DIUM HEXAPHOS	1	100#	DRUM	MIDDLETOWN	
)DIUM HEXAPHOS	1	96#	DRUM	MIDDLETOWN	
)DIUM LAURYL SULFATE	1	470#	DRUM	MIDDLETOWN	
)DIUM METASILICATE	1	100#	DRUM	MIDDLETOWN	
)DIUM METASILICATE	32	100#	BAG	MIDDLETOWN	
ODIUM METASILICATE (ANHY)	1	90#	DRUM	MIDDLETOWN	
)DIUM METASILICATE (ANHY)	3	90#	DRUM	MIDDLETOWN	
)DIUM METASILICATE (PENTA)	1	87#	BAG	MIDDLETOWN	
)DIUM NITRATE	1	100#	DRUM	MIDDLETOWN	
)DIUM NITRATE	1	400#	DRUM	MIDDLETOWN	
)DIUM NITRATE	2	500#	DRUM	MIDDLETOWN	
)DIUM NITRATE (INDUSTRIAL	1	100#	DRUM	MIDDLETOWN	
)DIUM NITRATE (INDUSTRIAL	1	?	DRUM	MIDDLETOWN	
)DIUM NITRATE (INDUSTRIAL)	1	100#	DRUM	MIDDLETOWN	
(DIUM NITRATE (INDUSTRIAL)	1	50#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	100#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	100#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	100#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	165#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	290#	DRUM	MIDDLETOWN	
DIUM NITRITE	1	308#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	310#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	50#	DRUM	MIDDLETOWN	
)DIUM NITRITE	1	97#	DRUM	MIDDLETOWN	
DIUM NITRITE	3	305#	DRUM	MIDDLETOWN	
)DIUM NITRITE USP	1	100#	BAG	MIDDLETOWN	
:DIUM PERSULFATE	1	?	DRUM	MIDDLETOWN	
)DIUM SESQUCARBONATE	1	300#	DRUM	MIDDLETOWN	
.DIUM SILICATE G	2	100#	BAG	MIDDLETOWN	
)DIUM STANNATE	1	100#	DRUM	MIDDLETOWN	
(DIUM SULFATE	1	75#	DRUM	MIDDLETOWN	
DIUM SULFATE	1	95#	DRUM	MIDDLETOWN	
)DIUM SULFATE	1	?	DRUM	MIDDLETOWN	
'DIUM SULFITE	1	300#	DRUM	MIDDLETOWN	
DIUM SULFITE (ANHYDROUS/P	7	100#	BAG	MIDDLETOWN	
DIUM SULFITE SULFTECH	1	100#	DRUM	MIDDLETOWN	
DIUM TRIPOLY	1	87#	DRUM	MIDDLETOWN	
DIUM TRIPOLYPHOSPHATE	5	100#	BAG	SPRINGFIELD ✓	
ANDARD SUPER CEL	12	50#	BAG	MIDDLETOWN	
ANNOUS FLUOBORATE	86	1#	PTD	SPRINGFIELD ✓	
EARIC 230	1	?	DRUM	MIDDLETOWN	

MATHIEU CORPORATION
DISTRESSED MATERIAL
BY PRODUCT

RODUCT	QUANT	UNIT OF MEASURE	CONTAINER	LOCATION	COST
TP HYDRATE	20	100#	BAG	MIDDLETOWN	
JLFAMIC ACID	1	100#	DRUM	MIDDLETOWN	
JLFAMIC ACID	50	1#	PTB	SPRINGFIELD	
JLFTECH	1	80#	DRUM	MIDDLETOWN	
ARTARI ACID	1	83#	DRUM	MIDDLETOWN	
ARTARIC ACID	1	100#	BAG	MIDDLETOWN	
ETRA POTASSIUM PYRO PHOS (	3	200#	DRUM	MIDDLETOWN	
ETRAETHYL ORTHOSILICATE (Y	1	?	FACTORY SEAL	MIDDLETOWN	
ETRAPOTASSIUM PYROPHOSPHAT	1	90#	DRUM	MIDDLETOWN	
IERMOGUARD S	1	50#	DRUM	MIDDLETOWN	
INFLO OIL	4	225#	DRUM	MIDDLETOWN	
IOUREA (CHINA)	1	50#	DRUM	MIDDLETOWN	
KPP (GRANULAR)	1	50 K	BAG	MIDDLETOWN	
RICALCIUM PHOSPHATE	1	72#	DRUM	MIDDLETOWN	
RICALCIUM PHOSPHATE (FOOD	1	64#	DRUM	MIDDLETOWN	
RICALCIUM PHOSPHATE (FOOD	1	66#	DRUM	MIDDLETOWN	
RIS NITRO	2	5 GAL	CBY	SPRINGFIELD	
IS NITRO CONCENTRATE	6	500#	DRUM	SPRINGFIELD	
RISODIUM PHOSPHATE	1	100#	DRUM	MIDDLETOWN	
RISODIUM PHOSPHATE	1	170#	DRUM	MIDDLETOWN	
RISODIUM PHOSPHATE	1	210#	DRUM	MIDDLETOWN	
ISODIUM PHOSPHATE (CRYSTA	3	100#	DRUM	MIDDLETOWN	
ISODIUM PHOSPHATE (GRANUL	1	100#	DRUM	MIDDLETOWN	
ISODIUM PHOSPHATE (POWDER	9	100#	BAG	MIDDLETOWN	
ARTHERM (OVER YR OLD & GO	1	?	FACTORY SEAL	MIDDLETOWN	
ARTHERM (OVER YR OLD & GO	15	?	DRUM	MIDDLETOWN	
ON 50 H8 100	15	464#	DRUM	MIDDLETOWN	
ON 50-H8-400 (MANY YRS OL	1	?	FACTORY SEAL	MIDDLETOWN	
ON L8-300-XY-26 (MANY YRS	2	?	DRUM	MIDDLETOWN	
KNOWN MATERIAL	4	?	FIBER DRUM	MIDDLETOWN	
KNOWN MATERIAL	11	?	FIBER DRUM	MIDDLETOWN	
EA	1	56#	DRUM	MIDDLETOWN	
X	1	50#	BAG	MIDDLETOWN	
ITEN	1	400#	DRUM	MIDDLETOWN	
ITER	1	?	DRUM	MIDDLETOWN	
ANDOTTE DISTEL LTE	1	400#	DRUM	MIDDLETOWN	
ANDOTTE DIVERCLEAN	1	325#	DRUM	MIDDLETOWN	
ANDOTTE DS9-301	2	55 GAL	DRUM	MIDDLETOWN	
ANDOTTE DS9-304	2	55 GAL	DRUM	MIDDLETOWN	
ANDOTTE DW 2487	2	425#	DRUM	MIDDLETOWN	
ANDOTTE DW 909	1	300#	DRUM	MIDDLETOWN	
ANDOTTE MORDALL	1	55 GAL	DRUM	MIDDLETOWN	
ANDOTTE PRE-FOS	1	350#	DRUM	MIDDLETOWN	
LOW PIGMENT	1	400#	DRUM	MIDDLETOWN	
AX NC-300 (LIQUID)	7	55 GAL.	DRUM	MIDDLETOWN	
C CARBONATE	1	50#	BAG	MIDDLETOWN	
C CARBONATE (REJECTED)	61	25#	BAG	MIDDLETOWN	
C CHLORIDE (50% TECH / D	1	?	DRUM	MIDDLETOWN	

MATHIEU CORPORATION
DISTRESSED MATERIAL
BY PRODUCT

DUCT	QUANT	UNIT OF MEASURE	CONTAINER	LOCATION	COST
C STEARATE	1	100#	DRUM	MIDDLETOWN	
C STEARATE	1	36#	DRUM	MIDDLETOWN	
NC STEARATE	1	40#	DRUM	MIDDLETOWN	
C STEARATE	1	44#	DRUM	MIDDLETOWN	
C STEARATE	1	?	DRUM	MIDDLETOWN	
NC STEARATE	6	50#	BAG	MIDDLETOWN	
C STEARATE & CALCIUM MIX	1	50#	DRUM	MIDDLETOWN	
C SULFATE	1	148#	DRUM	MIDDLETOWN	
C SULFATE	1	150#	DRUM	MIDDLETOWN	
NC SULFATE	1	178#	DRUM	MIDDLETOWN	

al Records Displayed: 58

Advanced
Environmental
Interface, Inc.

438 Smith Street • Middletown, CT 06457 • 203-635-7753

November 2, 1993

Mr. Michael Augeri
c/o Town & Country
750 Newfield Street
Middletown, CT 06457

Subject: Review of Rizzo Associates, Inc. and DEP Documents for the Portland Chemical Works Property, 680 Newfield Street, Middletown, CT
AEI Project AEI-93R-007

Dear Mr. Augeri:

At your request, AEI conducted a review of the following Rizzo Associates, Inc. and Connecticut Department of Environmental Protection (DEP) documents for the Portland Chemical Works property at 680 Newfield Street in Middletown, CT:

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15 to cy

(1) DEP Waste Management Bureau Notice of Violation (NOV No. 426, DEP/HW No. 083), issued September 25, 1991.

(2) Letter from Mr. Mark G. Peters of Rizzo Associates, Inc. to Mr. Mohamed Deria of the DEP, June 23, 1992.

(3) Letter from Mr. Peters to Mr. Deria, September 9, 1992.

(4) Letter from Mr. Deria to Mr. John E. Adams of Rizzo Associates, Inc., October 2, 1992.

(5) Letter from Mr. Peters to Mr. Deria, October 2, 1992.

(6) Letter from Mr. Peters and Mr. Adams to Mr. Deria, October 23, 1992.

1-745-3235

(7) DEP Closure of Notice Violation for NOV No. 426, Issued November 19, 1992.

(8) "Subsurface Investigation, 680 Newfield Street, Middletown, CT", Rizzo Associates, Inc. Report, April 29, 1993.

AEI's review of these documents found the following areas of environmental concern, for which AEI has listed implications, resolutions, and open issues:

(1) As is typical of preliminary subsurface investigations (i.e., Phase I or Phase II site assessments), Rizzo Associates tested soil and ground water samples from the subject property for a limited number of compounds which they postulated would be general indicators of contamination. AEI was provided with limited information about the types of chemicals stored and the wastes generated on-site, and, therefore, can render no opinion about the presence of contaminants not included in the laboratory test methods selected by Rizzo Associates.

Implications: Chemicals other than those detected by Rizzo Associates may be present in on-site ground water or soils. The presence of any other chemicals may further complicate site remediation requirements.

Resolutions: None to date.

Open Issues: AEI recommends that a detailed survey/research of past chemical usage or storage on the subject property be conducted to identify chemicals that are potential contaminants. Typically, this is done during a Phase I environmental site assessment which includes a detailed review of DEP and facility files.

(2) Portland Chemical Works was in violation of the Connecticut Hazardous Waste Management Regulations and/or State Statutes for allegedly accumulating over one thousand kilograms of hazardous waste (D001) on-site without properly notifying DEP of hazardous waste activity.

Implications: DEP required that a determination of hazardous characteristics be made for wastes stored on-site, hazardous wastes be removed from the site, DEP be notified of hazardous waste activities,

stained soils under a tank farm filling station be sampled, soil samples be tested for hazardous constituents, and materials stored in tanks be identified.

Resolutions: DEP issued Closure of Notice Violation for NOV No. 426 on November 19, 1992, indicating that all requirements of the NOV have been fulfilled, and that no further enforcement action was recommended.

Open Issues: None.

(3) Ground water beneath the subject property was found to be contaminated by chlorinated hydrocarbons typically associated with solvents, and petroleum hydrocarbons typically associated with petroleum products and non-chlorinated solvents. Concentrations of some of the chlorinated hydrocarbons were as high as 7,400 parts per billion, and some were more than 1,000 times higher than current drinking water standards, which DEP uses to assess the degree of contamination.

Levels Found Well 2 Might need Clean Manhole ?

Implications: Prior chemical or waste handling practices on the subject property have released contaminants which have affected ground water quality. Typically, DEP requires that at a minimum the source and extent of the ground water contamination be identified. AEI has found no documentation indicating that the source of the contamination has been identified, located, or verified. Common sources of ground water contamination at sites such as the subject property include but are not limited to soils which have absorbed spilled chemicals, drums, underground tanks or above ground tanks which have leaked chemicals, dry wells, septic systems, floor drains, or sewer systems to which chemicals have been discharged, and chemical dispensing activities during which chemicals may have been spilled.

Resolutions: None to date. Rizzo Associates postulated that a possible drainage basin beneath a manhole is a likely source of some of the ground water contamination. AEI concurs with Rizzo Associates' opinion that ground water remediation is not likely to be required on the subject site because of the GB classification which DEP has assigned to ground

water in the vicinity of the subject site, and because of the clayey sediments which comprise the upper aquifer beneath the site and which typically retard the migration of contaminants in ground water.

Open Issues: Potential sources of the ground water contamination need to be located and evaluated/tested to determine which ones are releasing contaminants to the ground water. Once identified, these sources need to be characterized and remediated to the satisfaction of the DEP. This most likely will entail removal of the source itself and any contaminated soils detected above the ground water table.

(4) Soil beneath the subject property was found to be contaminated by chlorinated hydrocarbons typically associated with solvents, and petroleum hydrocarbons typically associated with petroleum products and non-chlorinated solvents. Concentrations of some of the hydrocarbons were as high as 2,600 parts per billion, and some were more than 20 times higher than current drinking water standards, which DEP uses to assess the degree of contamination. It is AEI's opinion that the levels of hydrocarbons detected in the soil samples tested by Rizzo Associates are much less than the levels which would cause the level of ground water contamination detected in on-site wells, and, therefore, the source or sources of the ground water contamination has not been identified.

Implications: Prior chemical or waste handling practices on the subject property have released contaminants which have affected soil quality. Typically, DEP requires that at a minimum the source and extent of the soil contamination be identified. AEI has found no documentation indicating that the source of the contamination has been identified, located, or verified. Common sources of soil contamination at sites such as the subject property include but are not limited to soils which have absorbed spilled chemicals, drums, underground tanks or above ground tanks which have leaked chemicals, dry wells, septic systems, floor drains, or sewer systems to which chemicals have been discharged, and chemical dispensing activities during which chemicals may have been spilled.

Resolutions: None to date. Rizzo Associates has collected and lab-tested soil samples from only six locations on the subject property. Three of these soil samples had no detectable levels of hydrocarbons, three had low levels of hydrocarbons.

Open Issues: Potential sources of the soil contamination need to be located and evaluated/tested to determine which ones are releasing contaminants to the ground water. Once identified, these sources need to be characterized and remediated to the satisfaction of the DEP. This most likely will entail removal of the source itself and any contaminated soils detected above the ground water table.

(5) 3 ~~Two~~ underground petroleum storage tanks reportedly are on the subject property. AEI has no information on the size, contents, or material of construction for these tanks.

Implications: These tanks are potential sources of soil and ground water contamination. Rizzo Associates detected petroleum hydrocarbons in soil and ground water near these tanks. If the tanks are out-of-service or more than 20 years old, DEP requires that these tanks be either abandoned in place or removed in accordance with State regulations.

Resolutions: None to date.

Open Issues: If the tanks are out-of-service or more than 20 years old, DEP requires that these tanks be either abandoned in place or removed in accordance with State regulations. A determination of remaining tank contents, integrity, and size must be made. If removed or abandoned, the tanks must be registered as such with DEP.

(6) Above ground chemical storage tanks and distribution piping remain on-site. These tanks and piping may contain residual chemicals.

Implications: These tanks and piping are potential sources of soil and ground water contamination. Any residual chemicals and contaminated subsoils need to be removed.

Resolutions: None to date.

Open Issues: A determination of tank and piping contents must be made. Any residual chemicals and contaminated subsoils must be removed and disposed of in accordance with State regulations.

(7) Floor drains reportedly were in the drumming building. Rizzo Associates postulated that the floor drains may have been connected to a subsurface drainage basin beneath a manhole they observed outside the building.

Implications: Floor drains and associated piping are potential sources of soil and ground water contamination. Any residual chemicals and contaminated subsoils need to be removed.

Resolutions: None to date.

Open Issues: A determination of floor drain contents must be made. Any contents should be tested and removed in accordance with State regulations. The terminus of the floor drains needs to be determined. After the terminus is identified, the floor drains should be sealed to prevent any future releases from affecting on-site soils or ground water.

(8) Building interior surfaces may contain residual chemicals.

Implications: In order to demolish, renovate or re-occupy the buildings, hazardous chemicals must be removed from the building surfaces.

Resolutions: None to date.

Open Issues: A determination about the presence or absence of residual chemicals on the building surfaces needs to be made. All building surfaces containing residual chemicals should be cleaned in a manner which would contain and capture all chemicals, and which would provide a safe condition for occupancy.

(9) No discussion of potential asbestos- or lead-containing building materials, or of polychlorinated biphenyl (PCB)-containing oils in electrical equipment was found by AEI.

Implications: Prior to the demolition or renovation of the on-site buildings, asbestos, lead, and PCBs must be addressed and possibly removed in accordance with State and federal regulations. The removal of these materials can be very costly depending upon the volume of each.

Resolutions: None to date.

Open Issues: Prior to building renovation or demolition, asbestos-containing building materials must be removed in accordance with State or federal regulations. Prior to the disposal of any building demolition debris, an assessment of lead-based paint may be needed. Prior to the removal of fluorescent lights or electrical equipment, an assessment of potential PCB-containing oils is needed. Asbestos, lead-based paint, and PCB-containing oils must be handled and disposed of in accordance with State and federal regulations.

(10) DEP indicated that the Portland Chemical Works property is a "hazardous waste establishment" as defined by State of Connecticut General Statutes.

Implications: Upon transfer of title of the property, the site must be in compliance with applicable State regulations pertaining to the transfer of a hazardous waste establishment. Upon transfer, one of three forms must be filed with DEP. In general, the form filing must indicate that either the site has not had contamination (Form I), or the site had contamination which was remediated to the satisfaction of the Commissioner of DEP (Form II), or the site has contamination which has not been remediated to the satisfaction of the Commissioner but which either the buyer or seller certifies to remediate to the Commissioner's satisfaction (Form III).

Resolutions: None to date.

Open Issues: Contamination identified on the subject site must be remediated to the satisfaction of the Commissioner of the DEP either prior to or after transfer of title of the property. It is AEI's opinion that the levels of ground water contamination identified by Rizzo Associates to

date do not warrant remediation because of the GB ground water classification which DEP has assigned to the area in the vicinity of the site. However, it is AEI's opinion that remediation of contaminated soils, removal of the out-of-service underground storage tanks, the possible dry well, and any residual chemicals in above ground storage tanks and piping, and periodic ground water monitoring are warranted and would be required by DEP. Either the seller or buyer would be responsible for filing with DEP a Form I, Form II, or Form III.

The following activities are recommended at a minimum to further determine the presence of affected soils and ground water beneath the site and site remediation requirements:

(1) Conduct a site walkover inspection with an environmental consultant to observe present site conditions and assess potential areas of environmental concern.

(2) Resample all on-site ground water monitoring wells to assess the current ground water quality beneath the site.

(3) Remove any on-site underground storage tanks, distribution piping, and dispensing pumps which are either greater than 20 years old or are not planned for further use. Any affected soils encountered above the water table during excavation of the tanks, piping or pumps should also be removed.

(4) Excavate the drainage basin/drywell (if present) beneath the manhole adjacent to the drumming building and any affected soils encountered above the water table.

(5) All residual materials in above ground storage tanks, underground storage tanks, and above ground piping should be removed.

(6) Consult an environmental attorney about Connecticut Transfer Act filing requirements and protocol.

(7) All open issues discussed above should be addressed and discussed with an environmental attorney.

AEI has based the opinions and recommendations presented in this report solely on the review of the eight documents mentioned on page 1 of this letter.

If you have any questions or require additional information regarding AEI's review of the subject site investigation documentation, please feel free to call either Joe Santovasi or me at 635-7753.

Sincerely,

Advanced Environmental Interface, Inc.

Richard H. Jahne

Richard H. Jahne
Associate

cc: Mr. Nicholas A. Saraceno - ERA Saraceno Agency (via FAX)

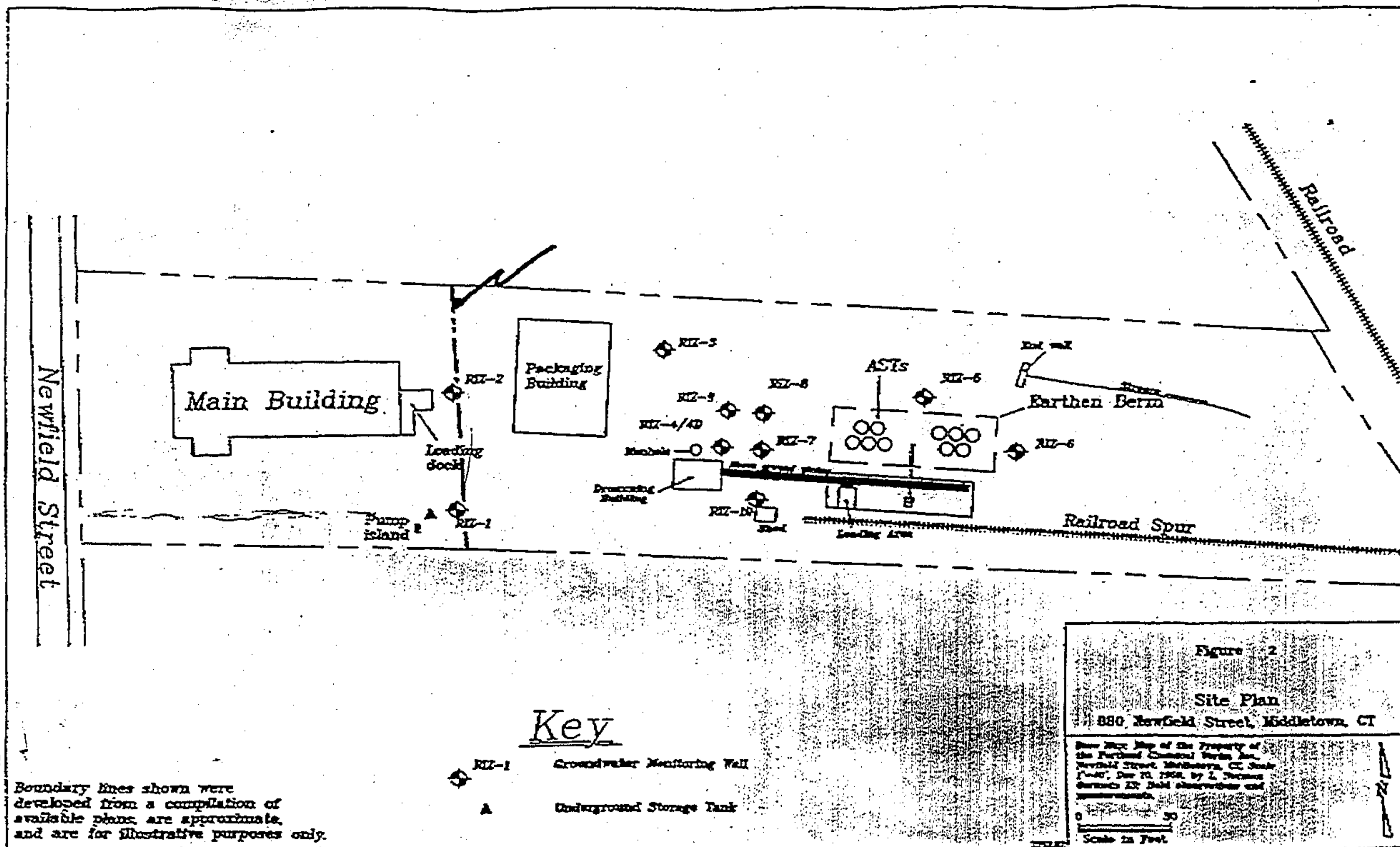
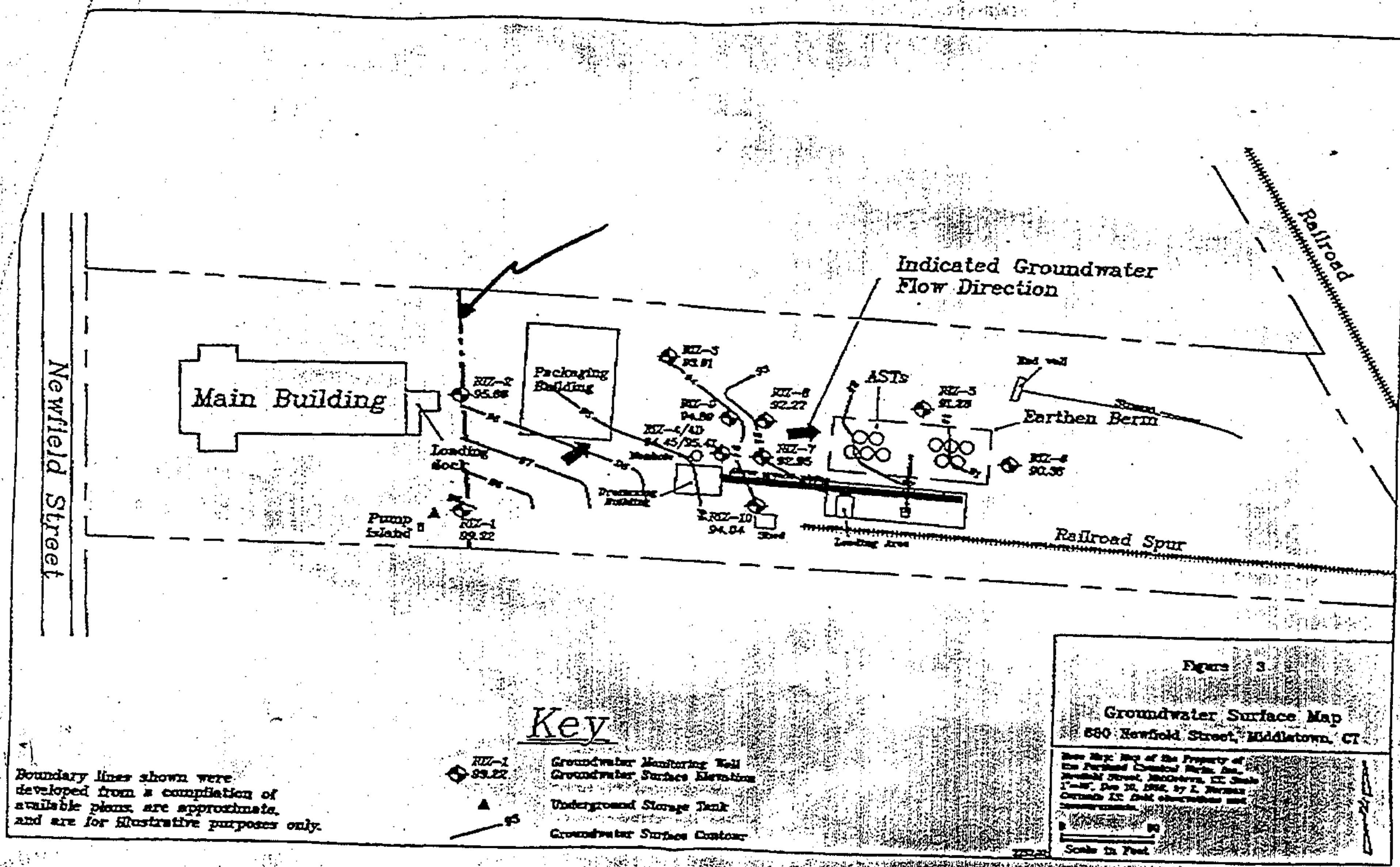


Figure 2
Site Plan
880 Newfield Street, Middletown, CT

JCI 264-8228



Newfield Street
Main Building
Loading dock
Pump Island
Packaging Building
Indicated Groundwater Flow Direction
ASTs
Earthen Berm
Railroad Spur
Railroad
Loading Area
Shed
Key
Groundwater Monitoring Well
Groundwater Surface Elevation
Underground Storage Tank
Groundwater Surface Contour
Boundary lines shown were developed from a compilation of available plans, are approximate, and are for illustrative purposes only.
Figure 3
Groundwater Surface Map
680 Newfield Street, Middletown, CT
Scale in Feet

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

October 27, 1983

Mr. Jerry Levy
% U.S. Environmental Protection Agency
JFK Federal Building
Boston, Massachusetts 02203

Dear Mr. Levy;

We are forwarding for your evaluation, inspection reports and other supporting documentation on Portland Chemical Works, Inc. CTD069262186, Somers Industrial Finishing Corp. CTD062202791, and Frey Manufacturing Company, Inc.

Portland Chemical Works, Inc. notified only as a transporter. At the time of our inspection, this facility also appeared to be a generator and storage facility.

Somers Industrial Finishing Corp. notified as a generator only. At the time of our inspection their proper status appeared to be both a treatment and storage facility subject to Subpart F for on-site F006 lagoons.

Frey Manufacturing Company, Inc. is a non-notifier whose proper status appeared to be a generator and storage facility and also a disposal facility for waste sludge thrown out behind their facility.

The Hazardous Materials Management Unit will be issuing Abatement Orders in the immediate future in order to bring these facilities into compliance with all applicable Hazardous Waste Management regulations. We are requesting that EPA seek a civil penalty action against these facilities for operating in violation of their Part A permit or general RCRA requirements.

Should you have any questions or require additional information, please contact Tom Stark at (203) 566-5712.

Sincerely,

Edward C. Parker

Edward C. Parker
Assistant Director
Hazardous Waste Management Section

ECP:TS:et
enclosure

Phone:
165 Capitol Avenue • Hartford, Connecticut 06106

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

February 29,1984

Mr.Jerry Levy
c/o U.S. EPA
J.F.K. Federal Building
Boston, Massachusetts

Dear Mr. Levy:

In my letter of October 27, 1983, Connecticut referred three companies to your attention requesting that EPA pursue enforcement action of RCRA regulations. One of these facilities was Portland Chemical Works (CTD o69262186) who notified as a transporter but appeared to be acting as a storage facility during the state's Sept. 7,1983 inspection.

A manifest showing the removal of the wastes was received on Oct. 13, 1983 and an on-site follow-up inspection was conducted on Feb. 10,1984 (enclosed) confirming that Portland Chemical Works was now in compliance with all applicable state regulations. This facility is now operating as a small quantity generator.

Since the number of containers was small (14 drums) and no soil staining was observed the State has decided not to pursue enforcement action against this facility at this time. Consequently, we are withdrawing our request that EPA pursue enforcement action against this firm.

If you have any further questions on this firm please contact Mr. Thomas Stark at 566-5712/2264

Sincerely,

Edward C Parker

Edward C. Parker
Assistant Director
Hazardous Waste Management Section

CP/mjc
John Podgurski
Closures

Phone:
165 Capitol Avenue • Hartford, Connecticut 06106

HAZARDOUS WASTE INSPECTION CHECKLIST

Site:

Name: Portland Chemical Works, Inc.

Location: 680 Newfield St
Middletown, Ct 06457

Phone No: (203) 346-2390

ID No: N/A

Contact & Title: Don Perrotti

Mailing Address (if different from location):

Inspector(s): marie miller

Inspection Date: Feb. 10, 1984

Inspection Category:

RCRA Notifier as:

Generator:

Transporter:

TSDF:

Part A Application ___No, ___Yes

UIC:

Inventory: X

Complaint No:

Other (describe):

compliance: check removable of stored waste.

CHARACTERIZATION OF SITE ACTIVITY

Established 1950 Portland, Ct

A) Date Established at Present Location: 1959

B) No. of Employees, Shifts: 22 employees - 1 shift

C) Type of Activity: warehouse - redrum materials - distribution

D) Products:

E) Processes: unload bulk materials
redrum materials for distribution
store materials

- 10 - 10,000 gal. solvent tanks.

F) Water Supply (if well(s) give approx. location): city

G) Septic System(s), Municipal Sewer(s), Drywell(s): city

II WASTE PROFILE

Type of Waste	Amount/Frequency	On-Site, Temporary Storage/TSD	Transporter	Off-site TSD
waste from line dripping redrumming	55 gal./mo.	drum	Solvent Recover Southington	
No other waste				

*

III INVENTORY

A) Has this site notified EPA under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 PL 96-510 (commonly known as Superfund): X No, ___ Yes: (Attach copy of Notification, if available)

B) Prior to the November 19, 1980 Implementation of RCRA Where; When; What type; Amount/Frequency; How long; and by Who (Transporters, Facilities, Etc.) were wastes disposed of Off-site:

same as above

C) Is there any evidence of On-site disposal? ___ No, ___ Yes.

Give Approximate Location; Type; Amount/Frequency; Length of Time On-site disposal has been used, etc. (Specify any historical On-site disposal):

IV RECORDS

262.11/ 25-54cc(c)-(a)(3)(A)-7, -9(3)(3)

aa) Hazardous Waste Determination

1) Performed:

2) Records Maintained:

* This waste is stored in an area with a drain. The two drums need to be labeled and dated, and moved to another area for containment.

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUL 1 Hazardous Waste MANIFEST SECTION, State Office Building, Hartford, CT 06106

(Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CTD 069262186 | Manifest Document No. | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law but may be required by State law.

3 Generator's Name and Mailing Address: Portland Chemical Works, Inc.
680 Newfield Street
Middletown, CT 06457

4 Generator's Phone: 203 346-2390

5 Transporter 1 Company Name: Portland Chemical Works, Inc. | 6 US EPA ID Number: CTD 069262186

Transporter 2 Company Name | 8 US EPA ID Number

9 Designated Facility Name and Site Address: Solvents Recovery Service of New England
Lazy Lane
Southington, CT | 10 US EPA ID Number: CTD 009717604

A State Manifest Document Number: CT A 0015949
B State Gen ID: SAME.
C State Tran. ID: CT 88679
D Tran. Phone: 203-346-2390
E State Tran. ID
F Tran. Phone
G State Facility's ID: SOUTHINGTON CT PO BOX 362
H Facility's Phone: 203-628-8084

SOLVENTS

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No	Type	13 Total Quantity	14 Unit Wt/Vol	I. Waste No.
a. Waste Flammable Liquid N.O.S. Flammable Liquid UN1993	001	DR	1555	P	D001
b.					
c.					
d.					

J. Additional Description for Materials Listed Above
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
a. T04 BLENDING c.
b. d.

15 Special Handling Instructions and Additional Information
Pin #4665

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and all applicable State laws and regulations.
Printed/Typed Name: Donald P. Perrotti | Signature: Donald P. Perrotti | Date: Month 05 Day 15 Year 85

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVE FRITZE | Signature: [illegible] | Date: Month 05 Day 15 Year 85

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month . Day . Year .

19 Discrepancy Indication Space: TRANSPORTER NOT PERMITTED FOR D001 BY CT DEP OK to UNLOAD PM. G. Goldsmith 5/15/85.

20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: DALE A BLISS | Signature: [illegible] | Date: Month 05 Day 15 Year 85

EPA Form 8700-22 (3-84) Form Approved. OMB No. 2050-0024 Expires 7-31-85

COPY 1: DESTINATION STATE — Mailed by TSDF

CT A 0015949

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous ... ste MANIFEST SECTION, State Office Bu... Hartford, CT 06106

BAT 435 REC

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CTD069262186 | Manifest Document No. 00001 | 2. Page 1 of 1 | Information in the shaded areas is required by Federal law but may be required by State law.

3. Generator's Name and Mailing Address: The Portland Chemical Works, Inc.
680 Newfield Street, Middletown, CT 06457

4. Generator's Phone (203) 346-2390

A. State Manifest Document Number: CT A 0015947

B. State Gen. ID: Same

5. Transporter 1 Company Name: Solvents Recovery Service of N.E. | 6. US EPA ID Number: CTD009717604

C. State Tran. ID: 99508 CT

D. Tran. Phone:

7. Transporter 2 Company Name: | 8. US EPA ID Number:

E. State Tran. ID:

F. Tran. Phone: 203-628-8084

9. Designated Facility Name and Site Address: Solvents Recovery Service of New England
Lazy Lane
Southington, CT 06489 | 10. US EPA ID Number: CTD009717601

G. State Facility's ID: P.O. Box-362 Southington, CT 06489

H. Facility's Phone: 203-628-8084

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Waste Flammable Liquid N.O.S. FLAMMABLE LIQUID UN1993	1	T/T	.4260	G	D001
b.					
c. CONFIDENTIAL					
d.					

J. Additional Description for Materials Listed Above:
a. Ketones-40%, Aromatics 10%, Plastizers 20%, Glycols 15%, Glycol Ethers 15%

K. Handling Codes for Wastes Listed Above:
a. TOY Blending b. d.

15. Special Handling Instructions and Additional Information
A. PIN - 013719FB

CONFIDENTIAL

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Marion McKee	Marion McKee	01 / 21 / 87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
MIKE PAPARELLO	Mike Paparello	01 / 21 / 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
		/ /

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)
DALE A BLISS	Dale A Bliss BM	01 / 21 / 87

EPA Form 8700-22 (3-84) Form Approved. OMB No. 2000-0404. Expires 7-31-86

COPY 1: DESTINATION STATE — Mailed by TSDF

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY INVOLVING HAZARDOUS WASTES, SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILLS AT (203) 566-3338.

INTERDEPARTMENTAL MESSAGE
S-C 201 REV. 7-85
Stock No. 6938-051-011

STATE OF CONNECTICUT

Obtain "STATE EMPLOYEE SUGGESTION" forms from, and send your ideas to: Employee's Suggestion Awards Program, 165 Capitol Avenue Hartford, CT 06106.

- Portland Chem.
- Middletown
- Inspection

To	NAME, TITLE: M. Derin, Engineer AGENCY, ADDRESS: WEED Dist II	DATE: 10 Aug 90
From	NAME, TITLE: D. Stokes, Field Inspector AGENCY, ADDRESS: WEED Dist I	TELEPHONE: 8843

Subject: Complaint 2030; Portland Chemical, New Field St. Middletown.

On 4 Aug 1990 I meet with John Connelly, Manager, at the Portland Chemical site to investigate this complaint. Portland Chemical, EPA ID# CTD069262186, notified as a Haz waste transporter (CHW-123), for D002; F006; F007 & F008. End of 1986 company was purchased by Hampden Mathieu Chemical (Hampden Color & Chemical, Springfield Mass, POC Kevin Donavan 413-732-2111) and the transporter permit was droped, 198 Site is now used for distributing virgin products. There are presently two buildings; one tracter trailer & 5 A/G tanks containing residual; off spec & unknown materials.

The main warehouse held several hundred 50LB bags; 30 gal fiber drums & 55 gal poly & steel drums of off spec and outdated products. (see attached list). Contact said those materials listed with "Springfield" on the listing (attached list) were shipped to this site from the Springfield Mass site approx. 3 years ago, the remaining containers have been on site for up to 10 years. There was no aisle space to observe all drums, however, several were observed seeping contents on the floor.

Continued - pg 2

INTERDEPARTMENTAL MESSAGE

STATE OF CONNECTICUT

CO 201 REV 7 86
Stock No 6938 051 011

Obtain "STATE EMPLOYEE SUGGESTION" forms from, and send your ideas to: Employee's Suggestion Awards Program, 165 Capitol Avenue Hartford, CT 06106.

To	NAME, TITLE	DATE
	AGENCY, ADDRESS	
From	NAME, TITLE	TELEPHONE
	AGENCY, ADDRESS	

Subject: Continued; pg 2 -

The main warehouse contained; Chromic acid; sulfuric acid; Sulfamic acid; Sodium Nitrate; Copper Sulfate; Nickel carbonate; ammonium chloride. (see attached pg's for complete listing).

Small building behind Main warehouse was previously used for filling drums of virgin product from the tank farm. Types include antifreeze, MEK, Toluene. This process was eliminated 3 years ago. Inside this building are approx 80-55 gl drums, all very rusty and many open, some drums are rusted through and several are seeping contents. Contact said all the containers were sampled by the Springfield site, One year ago, he's presently waiting their instructions.

Tank farm has approx 10 A/G tanks which previously held virgin products. Contact said tanks drained about 3 years ago, however 5 may still have residual contents. I observed stained soil under filling station for tank farm. The entire tank farm area is overgrown with thick, how brush.

Continued pg 3

INTERDEPARTMENTAL MESSAGE

STATE OF CONNECTICUT

CO 201 REV 7 86
Stock No 6938 051 011

Obtain "STATE EMPLOYEE SUGGESTION" forms from, and send your ideas to: Employee's Suggestion Awards Program, 165 Capitol Avenue Hartford, CT 06106.

To	NAME, TITLE	DATE
	AGENCY, ADDRESS	
From	NAME, TITLE	TELEPHONE
	AGENCY, ADDRESS	

Subject: Continued pg 3 -

A 40ft Box trailer located between the two building (Box trailer # 36, tag # B72311 NY) contained 6-55 gl drums; four labeled formaldihyde; one ferric chloride; one not labeled. Contact said these were also out of date/off spec materials.

A manhole labeled "Chemical" is located between the box trailer & tank farm. Contact did not know the purpose of this manhole, but believes its an access to an underground tank.

Several drums were found on the property (outside the building); One 55, unknown; behind drum filling building & outside the main warehouse were 17-55 gal drums, one open and most very rusted; 6-15 gal jugs; 1-5 gal open. None were labeled to identify contents.

I observed a box trailer truck ID # CTHW-190, plate # 370-759 mass, parked on site. Contact said truck is used to deliver virgin product and has been on site for over one year. Truck is registered to Hampden Color & Chemical, Mass.

*

Continued pg 4

INTERDEPARTMENTAL MESSAGE
S:O 201 REV 7 86
Stock No 6938-051 011

STATE OF CONNECTICUT

Obtain "STATE EMPLOYEE SUGGESTION" forms from, and send your ideas to: Employee's Suggestion Awards Program, 165 Capitol Avenue Hartford, CT 06106.

To	NAME, TITLE AGENCY, ADDRESS	DATE
From	NAME, TITLE AGENCY, ADDRESS	TELEPHONE

Subject: Continued pg 4;

Contact said the Box truck is also used to transport Haz Waste from Ct. generators to the Hampden Color and Chemical site in Mass. Truck is driven by Joe Piatta.

On 6 Aug 1990 I spoke with Kevin Donavan concerning this inspection, he stated the following:

a) Main warehouse containers are being stored with the intention of mixing with new product for resale; selling as is or disposing of. This will be based on condition of material.

b) Drum filling building containers have residual product from the tank farm. The drums were sampled to determine type product and the intention is to handle in same manner as those in the Main warehouse. Sample analysis are being sent to our office.

c) Company wants to retain EPA ID #, but change status to "Gen" incase any wastes are generated in the future. They do not intend to re-notify as a Transporter.

d) Tank farm - Company intends on entering tanks, purging out residual product and handling these materials in same manner as those in drums.

Continued pg 5

INTERDEPARTMENTAL MESSAGE

10-201 REV 7 86
Stock No 6938-051 01)

STATE OF CONNECTICUT

Obtain "STATE EMPLOYEE SUGGESTION" forms from, and send your ideas to: Employee's Suggestion Awards Program, 165 Capitol Avenue Hartford, CT 06106.

To	NAME, TITLE	DATE
	AGENCY, ADDRESS	
From	NAME, TITLE	TELEPHONE
	AGENCY, ADDRESS	

Subject: Continued pg 5;

E) Kevin smd the box truck is not used for waste pickups, but is on temporary loan to this site, until a new delivery truck can be purchased. Those materials found outside the buildings will be identified and handled in same manner as the others identified in this inspection.

COMPLAINT NO. 2030

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE MANAGEMENT SECTION
165 CAPITOL AVENUE, HARTFORD, CONNECTICUT 06106

DATE 8/29/90

REPORT OF COMPLAINT

Alleged Source Hampden Mathieu Chemical f/k/a. / Phillips Bros. Chem / Portland Chemical

Source Address Newfield St. (next to Toyota dealer) (Street) Middletown (Town)

Complainant referral from Collette Ready, Water Compliance

Address _____ Town _____

Phone _____ (Home) _____ (Office) Zip Code _____

STATEMENT OF COMPLAINT

This company was recently inspected by Collette Ready. They are a chemical distributor. There are 10 AG bulk tanks which are no longer used (formerly used for antifreeze, MEK and other various chemicals); Collette was told that 5 of the tanks still had some contents. There is a small locked building to the rear of the property in wich Collette observed several very old rusted drums. She sampled an UG holding tank/septic tank - manhole labelled Chemical. She is awaiting those results.

The company is affiliated w/Hampden Color Chemical out of MA. Op'ns est at the site in 1970.

Received by: S. Sullivan

Assigned 1/7 To _____

Referred to _____

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

WASTE MANAGEMENT BUREAU
NOTICE OF VIOLATION

NOV No. 426 DEP/HW No. 083

TO: John Connelly, Manager
Portland Chemical Works, Inc.
680 Newfield Street
Middletown, CT 06457

You are hereby notified of violations of Connecticut Hazardous Waste Management Regulations and/or State Statutes (referenced below).

Within (90) days after receipt of this Notice, you must verify that the violations have been corrected.

In addition, you must submit a written report to the Department that details the specific corrective actions you have implemented to achieve compliance. Failure to do so may result in additional enforcement action.

You are invited to confer with us about this Notice in order to ensure that the corrective actions initiated satisfactorily address the violations. Please contact Mohamed Deria of the Hazardous Waste Management Section at 566-5294 should you have any questions.

Richard J. Barlow, Chief
Waste Management Bureau

Richard J. Barlow
Date: 9-25-91

VIOLATIONS OF STATE REGULATIONS AND/OR STATUTES:
22a-449(c)-7(a)(1) (currently under 22a-449(c)-102(a)), incorporating 40 CFR 262.11

Hazardous Waste Determinations: Portland Chemical Works is required to determine whether chemicals stored on site are hazardous wastes in accordance with the Connecticut Hazardous Waste Management Regulations. Hazardous wastes shall be removed in accordance with all applicable laws and by a transporter licensed by the Department of Environmental Protection. Portland Chemical Works, Inc. must notify of its hazardous waste activity and comply with applicable requirements under Connecticut's Hazardous Waste Management Regulations. In 1987 your facility accumulated over one thousand kilograms of hazardous waste (D001) on site without properly notifying of hazardous waste activity.

Additionally, you are required to arrange for the sampling of the stained soils under the tank farm filling station and analyze for hazardous constituents using TCLP and EPA Standard Methods 8010, 8015 and 8020. The sampling will have to be done by a qualified consultant in the presence of a DEP representative. You are further required to identify the nature of material that had been stored in the subject tank(s).

A copy of Connecticut Hazardous Waste Management Regulations is attached for your reference.

Return of Service

A COPY OF THE FOREGOING NOTICE WAS SUBMITTED TO THE ABOVE-NAMED INDIVIDUAL AS INDICATED BELOW:

( )Personally delivered to _____ on _____
(X)Certified Mail to the usual place of business or residence.
Registration No.:* P 854 398 349

Hampden Color & Chemical aka
SITE NAME: Portland Chemical Works
TOWN: Middle Town
FILE TYPE: ~~Spfd~~ Spfd

FIELD MEMORANDUM

DIVISION OF HAZARDOUS WASTE

SUBJECT:
Hampden Color & Chemical
126 Memorial Drive
Springfield

DATE:
October 7, 1991

BY: John Downes, Joe Nikodem

CONTACT:
Richard Goodson #413-732-2112
Milt Hamburger
Mike Fisette

REASON FOR INSP.: MGL Ch. 21C - TSD Complaint

An unannounced inspection was conducted at this site on the above date, in response to a complaint that chemicals from other plants owned by Hampden-Mathieu had been brought to this plant and allegedly disposed of illegally.

On this date in the warehouse were about 400 drums (mostly 55-gallon, 30-gallon) of chemicals of the types found on the list sent from the Connecticut DEP. Most common were sulfuric acid (being re-packaged in new plastic drums), hydrochloric acid, and simple salts such as sodium bisulfate and magnesium chloride. One row of drums marked "Section 34" contained drums of sulfuric acid and sodium hydroxide, which should be separated. Most were labeled with the product name or an MSDS sheet. One truck trailer, at bay #17, remains to be unloaded. This trailer was almost full with drums including hydrogen peroxide (in a plastic drum), stearic acid, sodium acetate and "hydrozin" (zinc formaldehyde sulfoxylate).

Mr. Goodson showed us the bills of lading for shipments of these chemicals from this plant to a "chemical broker", Chem-Find, P.O. Box 266, Fountain Inn, South Carolina 29644; phone #803-862-5556. Mike Fisette, who was not here today, has been in touch with Jim Controvich of the Springfield Fire Dept. and has sent them inventory lists during the last few months. We will ask him for copies of some of these lists.

We looked at recent hazardous waste manifests to see how much still bottoms have been shipped out recently. The last shipment, in May 1991, was of 2,000 lbs. of still bottoms.

This site was in compliance at the time of inspection.

wp1: sprihaml.wp

- Portland Chemical Works
- Middleton
- Cpd

RECEIVED

JAN 2 1992

DEP Waste Management Bureau
Waste Engineering & Enforcement

THE PORTLAND CHEMICAL WORKS
INCORPORATED

680 Newfield Street - Middletown, Connecticut 06457 - Telephone (203) 346-2390

December 30, 1991

VIA FEDERAL EXPRESS
Richard Barlow
Chief Waste Management Bureau
State of Connecticut
Department of Environmental Protection
165 Capital Avenue
Hartford, CT 06106

Dear Mr. Barlow:

This letter is being submitted in response to the Notice of Violation (NOV or Notice) which was issued to Portland Chemical Works, Inc. (PCW) on October 3, 1991.

PCW, which is a subsidiary of Mathieu Corporation (Mathieu), has been used as a warehousing and distribution facility for virgin industrial chemicals. PCW has never engaged in manufacturing at this site. Therefore, any waste produced at the site has been minimal and was mainly the type of general waste incidental to running any business. It appears that the October 3, 1991 Notice was the result of the characterization of certain virgin products at the site as waste. As explained in this letter, no hazardous waste accumulated at the site. Therefore, I am requesting that after you review this information, you rescind the NOV.

Based upon the interdepartmental message provided as an attachment to the NOV, one type of material noted by the inspection was virgin chemicals in various locations at the property. Although the interdepartmental message termed these as "off spec" and "outdated" products they were still usable virgin products, not waste. Since our business deals exclusively with the packaging, warehousing, and distribution of chemicals,

material is considered "off spec" in our business if it is not in its original packaging or if the original packaging is damaged in any way. Such material, while still usable as product, often takes a considerable length of time to sell since a proper market (i.e. a purchaser who does not need the chemicals in their original packaging) must be found. In these cases, the product in and of itself was not outdated, damaged, or off spec.

Although this product was not in its original container and thus may have appeared to be waste material, it was most certainly intended to be used as any new chemical product would be and therefore should not have been considered a waste. The types of chemical products handled by our company do not have shelf lives and therefore can be stored for as much time as is necessary to find a buyer. In fact, virtually all of this material has already been sold, as discussed in more detail below.

In April of 1991 Mathieu Corporation sold certain assets relating to its industrial chemical distribution business to Van Waters and Rogers, Inc. ("VW&R"), a subsidiary of Univar Corporation. Although this sale did not include PCW itself, it did include a considerable amount of materials and some equipment which Mathieu had been storing at the PCW property. This material, which included many of the drums noted by the inspector, was transferred to various VW&R warehouses by the end of April 1991. Since Mathieu was consolidating its operations, it also decided to send the remaining material being stored at PCW to Mathieu's Springfield Massachusetts facility (Springfield) in May of 1991. This was done so that the remaining materials could be consolidated with other similar material, in one location, for eventual sale. In the past, Mathieu's Springfield facility has taken similar product from other distribution areas for consolidation, repackaging and resale. Thus, the transfer of this material from PCW to Mathieu's Springfield facility was a normal operation for Mathieu. Examples of the documentation generated by this transfer is attached as Addendum 1. During the process of transferring the product at PCW to either VW&R or to Springfield, the containers were inspected, and where necessary materials were repacked for easier shipment. However, the personnel responsible for this did not note any leaking containers or any product on the floor.

In discussing these products, the interdepartmental message notes that the materials identified by the term "Springfield" on the list of chemicals were shipped to PCW from Springfield three

years prior to the inspection, i.e. 1987. (Actually, this shipment occurred in 1988 or later, not 1987). So that there is no confusion over this transaction, I am providing the following background. At the time of the shipment, PCW was doing packaging, warehousing and distribution for Mathieu and its various related corporations. Similar activities were occurring at Springfield. At that time, certain virgin products (the material identified in the interdepartmental message as being from Springfield) had accumulated in Springfield and were sent to PCW for repackaging. This material was not repackaged and sold at Springfield because the products were not in great demand. Due to a lack of space and employees at Springfield (which was very busy at that time) the products were sent to PCW where, it was believed, the products could be repackaged and relabelled by PCW warehouse personnel, as time allowed. Due to changes in business patterns, and the sale of the bulk of the material stored at PCW to VW&R, what remained of this material simply was returned to Springfield in 1991 so that the repackaging could be done there. The materials are being combined, and sold either to previous customers of the chemical distribution business or to a chemical broker specializing in the sale of residual, over stocked, or repackaged materials. The primary broker currently being utilized is Chem Find. Examples of current transactions with Chem Find are attached as Addendum II.

Another type of product identified in the interdepartmental message was partially filled drums of virgin solvents. Such materials were also virgin chemicals. They were not waste materials. As part of the sale and consolidation of materials discussed above, the drums were inventoried and where necessary sampled to determine that the materials remained useful. On February 8, 1991 a contract was entered with Safety Kleen to take these virgin solvents for reuse. Since it had been decided to suspend the distribution and repackaging aspects of PCW's business, the solvents would not be managed at that facility. If PCW's activities had continued, the solvents could have been repackaged on site and it would have not been necessary to contract with Safety Kleen to remove them. The decision to utilize Safety Kleen, and to transport this material under a hazardous waste manifest, was made in order to insure that the material was properly conveyed to an appropriate user. PCW decided that it was more prudent to use a reputable company, such as Safety Kleen, even though for purposes of shipment Safety Kleen documented the virgin solvent as though it were a waste

material. Also, this method of handling the virgin solvents was the most convenient and economical for the company. Documentation of this shipment is attached as Appendix III.

The next potential area of concern noted in the interdepartmental message was the possibility, based upon comments by PCW employee John Connelly, that the above ground storage tanks still contained residual virgin product at the time of the inspection. As was subsequently demonstrated to Colette Reddy during her follow up inspection of the site (this occurred approximately three to four weeks after Mr. Stoke's visit), these tanks were indeed empty. Although Mr. Connelly, who spoke with Mr. Stokes during his inspection, was trying to be helpful in providing as much information as possible, he was not aware of every aspect of PCW's operations and therefore may have inadvertently provided information to Mr. Stokes which requires the clarification provided in this letter. For instance, his comment that the tanks may have contained residuals was later demonstrated not to be accurate. Similarly, he had never been based at the Springfield facility and therefore may not have been aware of the fact that this facility often collected and repackaged virgin product which were no longer in their original containers and which had been stored for many years. Thus, this information was not provided to Mr. Stokes. I regret that any information provided by, or omitted by any of the Company's employees may have created confusion for your inspector. Hopefully, the information in this letter will help resolve it.

During Ms. Reddy's follow-up inspection she also examined the accumulation of water in the underground tank adjacent to the drumming shed. We initially responded to Ms. Reddy's inquiry by letter dated 9/18/90 (attached as Addendum IV). In that letter we committed to shipping the contents of the tank to a permitted treatment facility, and therefore the water was sent to such a facility. In fact, the water could have been disposed of by other means since it was analyzed and classified as non hazardous liquid. Nevertheless, in an effort to cooperate with DEP and provide all assurances that the material was handled properly, it was disposed at Dupont's Deepwater, New Jersey facility on February 13, 1991. Documentation of this disposal is attached as Addendum V.

The interdepartmental message also noted a stained area of soil under the filling station for the tank farm. The NOV which you submitted requested that we sample this area. Subsequent to receiving the NOV, the tank farm filling station area was

inspected in order to try to locate the area noted in this message. We have been unable to find any discolored soil in this area. Therefore, at the end of October, 1991, Kevin Donovan, who was an employee at the time of the inspection, contacted DEP in order to obtain guidance on how this should be addressed. Mr. Donovan spoke to Mohamed Deria and was told that it should be explained in this letter that we were not able to locate a discolored area. Mr. Deria also indicated that sampling would not be required unless further guidance as to where to sample was received from the DEP. Therefore, I am assuming that there is no requirement that any sampling be done at this time. If this is incorrect, please advise me of the specific location which should be sampled.

In closing, I would like to clarify certain points in the August 10, 1990 interdepartmental message. First, Hampden Color & Chemical was acquired by Mathieu in late November of 1987 (not 1986 as indicated in the message). Mathieu also owns PCW. Both PCW and Mathieu have been engaged in the industrial chemical distribution business before, during and after the acquisition of Hampden Color & Chemical Co. of Springfield, Mass. Therefore, Hampden did not purchase PCW and change the activity at the Middletown facility, as implied in the report.

I am also somewhat confused by the statement in the Notice of Violation that "in 1987 your facility accumulated over 1000 kilograms of hazardous waste (D001) on site without properly notifying of hazardous waste activity." As discussed in this letter, none of the material that was on site was hazardous waste and therefore there was no need to notify DEP of any hazardous waste activity. In addition, I do not understand why a 1990 inspection is resulting in allegations of a violation in 1987.

I hope that the above explanation and attached documentation has cleared up any confusion regarding the types of materials at the PCW facility. As this letter demonstrates, this material was all virgin product, and not waste. In addition, through the various contracts discussed above, all of this material was removed from the PCW site, prior to the receipt of the NOV, and thus any concerns which DEPE may have had regarding this material were alleviated even before the NOV was issued. Given this information, I am requesting that the Notice of Violation be rescinded. If you wish to discuss any of the information in this letter or if I can be of any further assistance please feel free

to contact me at (413) 732-2112. For your reference, I have included a brief description of my professional background as attachment VI.

Sincerely,

Richard Goodson

RICHARD GOODSON
Director of Operations-New England
Chief Environmental Officer

RIZZO ASSOCIATES, INC.

ENGINEERS, SURVEYORS AND ENVIRONMENTAL SCIENTISTS

9 Cranbrook Boulevard, Enfield, CT 06082 (203) 745-3235 FAX (203) 741-0311

January 14, 1992

VIA EXPRESS MAIL
Mr. James Monopoli, R.S.
Mr. Leon F. Vinci, M.P.H.
City of Middletown
Department of Health
P.O. Box 1300
Middletown, Connecticut 06457-1300

Dear Messrs. Monopoli and Vinci:

Rizzo Associates has been retained by the Mathieu Corporation to investigate the situation described in your December 24, 1991 correspondance to Van Waters & Rogers, Inc. concerning the property located at 680 Newfield Street in Middletown, Connecticut (the Site). The Site was formerly operated as the Portland Chemical Works, Inc. (PCW). PCW, which is a subsidiary of Mathieu Corporation (Mathieu). In April 1991 Mathieu sold certain assets relating to its industrial chemical distribution business to Van Waters and Rogers, Inc. (VW&R), a subsidiary of Univar Corporation. This sale did not include PCW itself or the property at 680 Newfield Street in Middletown. Therefore, VW&R has no interest in the property and further correspondance should be addressed to the Mathieu Corporation, 5 Mathews Avenue, Riverdale, NJ 07457.

Upon receipt of your letter, Mathieu contacted Rizzo Associates and the law firm of Schatz & Schatz, Ribicoff & Kotkin and requested that we investigate the situation described by you. Mathieu had no knowledge of this condition prior to receipt of your letter. On Friday January 10, 1992, representatives of Rizzo Associates and Mathieu visited the Site to investigate the presence of "half buried discarded, rotted-out drums and tanks toward the rear of the property."

The Site consist of approximately 5.9 acres of which only approximately the front half was used for warehousing and distribution of virgin industrial chemicals. At present, the rear of the property is heavily overgrown by brush and small trees. As the perimeter of the property was walked, numerous locations were observed along the boundary adjacent to the former Concord Steel Company where solid waste debris was discarded. A number of apparently empty and deteriorated steel and cardboard drums were among the debris. This area is very inaccessible from the active PCW portion of the property, but highly accessible from the Concord Steel property. Currently the Concord Steel property is unsecured and unrestricted access is available by vehicle to the boundary with PCW.

At approximately the midpoint of the northern property boundary with Concord Steel, six to nine deteriorated drums containing an unidentified white powdery substance were observed. This represented Mathieu's first knowledge of this condition. The drums appeared to have been in this location for a number of years as evidenced by the heavy overgrowth surrounding this location. The exact property boundary between Concord Steel and PCW is difficult to distinguish at this point due to the heavy overgrowth. Therefore, we were uncertain as to whether the drums are on Concord Steel or PCW property.

On Monday January 13, 1992, representatives of Rizzo Associates visited the Middletown Town Clerk's and Assessor's offices to obtain available information concerning Site boundaries. A December 10, 1959 Map of the Property of The Portland Chemical Works represented the most recent survey available. At this time, it is impossible to determine the precise location of the deteriorated drums containing the white powdery material. It is clear however, that based on the inaccessibility of this location to PCW, and the accessibility of to Concord Steel, that the drums were discarded via the Concord Steel property.

Nevertheless, as responsible corporate citizens and without admitting liability for the drums, Mathieu has indicated its desire to initiate appropriate activities to relocate and secure the drums prior to determining the content and source of the materials contained in the drums as well as the accurate property boundary. Therefore, during the week of January 13, 1992, Mathieu has authorized us to undertake the following actions.

1. Deteriorated drums located along the property boundary with Concord Steel will be over-packed or the material will be transferred to new DOT approved ring top drums. Drums will be transported across the Site to a building for security purposes, prior to disposal.

2. Samples of the material will be collected and analyzed to determine hazardous characteristics and the chemical composition.

3. The drum location will be covered with polyethylene to prevent further infiltration of precipitation.

We believe these actions will secure this situation and allow Mathieu the time necessary to determine an appropriate course of action and discuss the matter with you.

We will notify you approximately 24 hours prior to conducting these actions to provide you the opportunity to be on-site at the time of the actions identified above. If you have any comments, please contact me.

Very truly yours,

John E. Adams
Regional Manager

cc: Richard Barlow - Department of Environmental Protection
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Schatz & Schatz, Ribicoff & Kotkin

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RIZZO ASSOCIATES, INC.

ENGINEERS, SURVEYORS AND ENVIRONMENTAL SCIENTISTS

9 Cranbrook Boulevard, Enfield, CT 06082 (203) 745-3235 FAX (203) 741-0311

January 17, 1992

TRANSMITTED VIA FAX
Mr. Mohamed Deria
Waste Engineering and Enforcement Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

Dear Mr. Deria:

Pursuant my conversation with Ms. Robin Bray of January 16, 1992, I am writing to inform the Department of Environmental Protection (DEP) of revisions to the proposed actions concerning relocation of six to nine drums containing unknown substances located on or near the northern property boundary separating the former Portland Chemical Works (PCWs) from the Concord Steel property. The proposed actions were detailed in a letter to Mr. James Monopoli and Mr. Leon Vinci of the City of Middletown Department of Health dated January 14, 1992 which was copied to Richard Barlow.

The January 14, 1992 correspondance discussed the presence of six to nine drums and our plans to over-pack and relocate the drums to a secure area of the PCW facility. On January 15, 1992, representatives of Rizzo Associates visited the PCW facility and obtained samples of the material contained in the aforementioned drums. The drums appeared deteriorated and represented a condition which has likely been present for a number of years. Considering the potential risk to workers handling the unknown material, we have decided to characterize it prior to over-packing and relocating the materials on-site. We are confident this represents a prudent and safe course of action.

Samples of the material have been submitted to a Connecticut Certified laboratory for characterization. We anticipate receiving preliminary results on Friday, January 17, 1992. If these results prove inconclusive, the laboratory will continue to characterize the material until we have determined its chemical composition. I will contact you when the results are available to further discuss this matter.

Our client, the Mathieu Corporation, is committed to completing the actions described in this and our January 14, 1992 correspondance in the fastest possible time, while maintaining a high safety standard for workers handling the drums and materials. Please contact me if you have any questions or concerns.

Very truly yours,

John E. Adams
Regional Manager

cc James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Schatz & Schatz, Ribicoff & Kotkin

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RIZZO ASSOCIATES, INC.

ENGINEERS, SURVEYORS AND ENVIRONMENTAL SCIENTISTS

[illegible]

March 13, 1992

Mr. Patrick Bowe
Site Remediation Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

Dear Mr. Bowe:

This letter is intended to supplement our previous correspondence to Mohamed Deria of the Department of Environmental Protection dated January 17, 1992 and James Monopoli and Leon Vinci of the City of Middletown Department of Health dated January 14, 1992 relating to the property located at 680 Newfield Street in Middletown, Connecticut (the Site). Copies of such prior correspondence are enclosed for your reference. In this connection, Rizzo Associates submits the results of sampling and analytical activities recently conducted by Rizzo Associates personnel at the Site.

Please be advised that this correspondence, as well as the submission of the results of sampling and activities, shall in no way be deemed to constitute an admission of any liability nor an agreement to resolve the environmental matters relating to the Site. We have conducted investigations and are providing information to you solely at the request of Mathieu Corporation (Mathieu), the parent corporation of Portland Chemical Works (PCW), which has initiated action as a responsible corporate citizen in its attempt to fully analyze the potential threat of contamination. This letter is not intended to address the obligations of those parties which are appropriately responsible for further action, if necessary.

Sampling and analytical activities conducted by Rizzo Associates on materials discovered in a remote portion of the Site did not identify the presence of Toxicity Characteristic Leaching Procedure (TCLP) hazardous constituents at concentrations above method detection limits. Therefore, the unidentified substance does not appear to be a characteristic hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). This letter provides background information and a description of the conduct and findings of the investigation.

PCW is a subsidiary of Mathieu Corporation (Mathieu), with offices located at 5 Mathews Avenue, Riverdale, New Jersey. In April 1991 Mathieu sold certain assets relating to its industrial chemical distribution business to Van Waters and Rogers, Inc. (VW&R), a subsidiary of Univar Corporation. This sale did not include PCW itself or the property at 680 Newfield Street in Middletown.

The location of PCW is identified on Figure 1. The Site consist of approximately 5.9 acres, of which only approximately the western half was used for warehousing and distribution of virgin industrial chemicals. At present, the rear of the property is heavily overgrown by brush and small trees. The Site abuts the Concord Steel Company and an automobile dealership to the north.

In response to a December 24, 1991 letter from James Monopoli and Leon F. Vinci of the City of Middletown Department of Health, a site visit was conducted on January 10, 1992 to evaluate conditions identified in the letter. The letter indicated the presence of "half-buried, discarded, rotted-out drums and tanks toward the rear of the property."

As the perimeter of the property was walked, numerous locations were observed along the boundary adjacent to the former Concord Steel Company where solid waste debris was discarded. A number of apparently empty and deteriorated steel and cardboard drums were among the debris. This area is very inaccessible from the active PCW portion of the property but highly accessible from the Concord Steel property. Currently, the Concord Steel property is unsecured, and unrestricted access is available by vehicle to the boundary with PCW.

At approximately the midpoint of the northern property boundary with Concord Steel, six to nine deteriorated drums containing an unidentified white, powdery substance were observed. This represented Mathieu's first knowledge of this condition. The drums appeared to have been in this location for a number of years as evidenced by the heavy overgrowth surrounding this location. The exact property boundary between Concord Steel and PCW is difficult to distinguish at this point due to the heavy overgrowth. Therefore, we were uncertain whether the drums were on Concord Steel or PCW property.

A December 10, 1959 Map of the Property of The Portland Chemical Works represented the most recent survey available. This map provided the basis for the Site Plan presented in Figure 2. At this time, the precise location of the deteriorated drums has not been established. It is appears, that based on the inaccessibility of this location to PCW and the accessibility to Concord Steel, that the drums were discarded via the Concord Steel property.

Rizzo Associates initially proposed to over-pack and secure the drums in the on-site buildings; however, after reviewing potential worker safety issues, we decided to characterize the material prior to handling. These modifications were discussed in our letter to Mr. Mohamed Deria of the Connecticut Department of Environmental Protection (DEP) dated January 17, 1992.

On Wednesday, January 15, 1992 Rizzo Associates personnel collected a sample from one drum that appeared to be characteristic of all six. Material in the drums appeared similar in nature and unremarkable to one another as a weathered, white powder with a flaky crust. The material was sampled using a stainless steel spoon and collected directly into a one-liter amber glass jar and two 40-milliliter vials. Photographs were taken of the drums and are attached for your information. The weather on the day of the sampling was clear and sunny with gusty winds and temperatures in the teens. The samples were sent to Alpha Analytical Labs in Westborough, Massachusetts for analysis to determine the chemical composition.

As no information was readily available from Concord Steel concerning the potential composition of the unknown material, Rizzo Associates requested information from Mathieu concerning chemicals historically handled at PCW. Mathieu provided SARA Title 3, Tier Two reporting for the period January 1 to December 31, 1990. Solids historically handled at PCW included diatomaceous earth, ferrous sulfate, nickel sulfate, potassium cyanide, ozone, sodium carbonate, sodium chloride, sodium cyanide, and sodium hydroxide. Based on this information, Rizzo Associates requested total cyanide and pH analysis. The results indicated the material had a pH of 9.0 and a concentration of total cyanide of 8.7 milligrams/kilogram (mg/kg). The material was apparently not composed of potassium cyanide or sodium cyanide.

Additional analyses were requested to identify the composition of the material and a full TCLP scan was requested to determine if the material exhibited hazardous characteristics. The results of laboratory analyses are summarized in Tables 1 and 2. Laboratory Certificates of Analysis are attached.

No TCLP parameters were identified above method detection limits. Considering the pH of the material is 9.0, total cyanide is present at only 8.7 mg/kg, and no TCLP constituents were detected, the material does not appear to be a characteristic hazardous waste as defined by RCRA. Primary constituents identified by the analyses are iron (2.3%), sodium (14.9%), carbonate (3%), and hydroxide (15.4%).

Although the source of the material cannot be identified, analysis of the unknown material indicates the substance is not a characteristic hazardous waste according to RCRA. Based on these analyses, Mathieu plans to transfer the material to DOT approved drums, relocate the material to an on-site building, and evaluate potential disposal options.

Considering the composition of the material, additional sampling of soils and/or groundwater in the vicinity of the drums is not warranted. We plan to conduct a site visit subsequent to Mathieu's repacking and relocation of the material and will provide a final report to the DEP concerning this matter.

We are confident the actions identified in this letter have eliminated potential concerns that hazardous conditions were present at the PCW facility as a result of this situation. As previously indicated, neither Mathieu nor PCW were aware of the drums prior to our inspection of the property on January 10, 1992. It is highly unlikely that these drums originated from PCW considering the difficult access to this area from active portions of the Site. Mathieu has attempted to contacted owners of the Concord Steel property in an effort to evaluate the materials contained in the drums and limit future access to the northern portion of the PCW Site.

Pursuant to my conversation with you on January 31, 1992, this letter has also been submitted to Mr. Deria in the Waste Engineering and Enforcement Division. Please call me if you have questions concerning the project.

Very truly yours,

John E. Adams
Regional Manager

cc Mohamed Deria - Department of Environmental Protection
James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Schatz & Schatz, Ribicoff & Kotkin

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TABLE 1
LABORATORY ANALYSIS RESULTS

Parameter	Results	Method Detection Limits
Total Metals Preparation (mg/kg)		
Calcium	5,990	24.7
Iron	23,300	2.5
Nickel	234	12.3
Potassium	7,270	123
Sodium	149,000	123
Priority Pollutant 13 Metals (mg/kg)		
Antimony	ND	36.5
Arsenic	59.2	0.37
Beryllium	ND	0.73
Cadmium	0.73	0.73
Chromium	65.0	1.5
Copper	705	1.5
Lead	81.9	3.7
Mercury	ND	0.38
Nickel	148	3.7
Selenium	ND	0.37
Silver	ND	0.73
Thallium	ND	0.37
Zinc	7,670	0.73
Alkalinity (mg eq $CaCO_3$/L)		
Bicarbonate	ND	2
Carbonate	30,000	2
Hydroxide	154,000	2
Total	184,000	2

TABLE 2
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
ANALYTICAL RESULTS

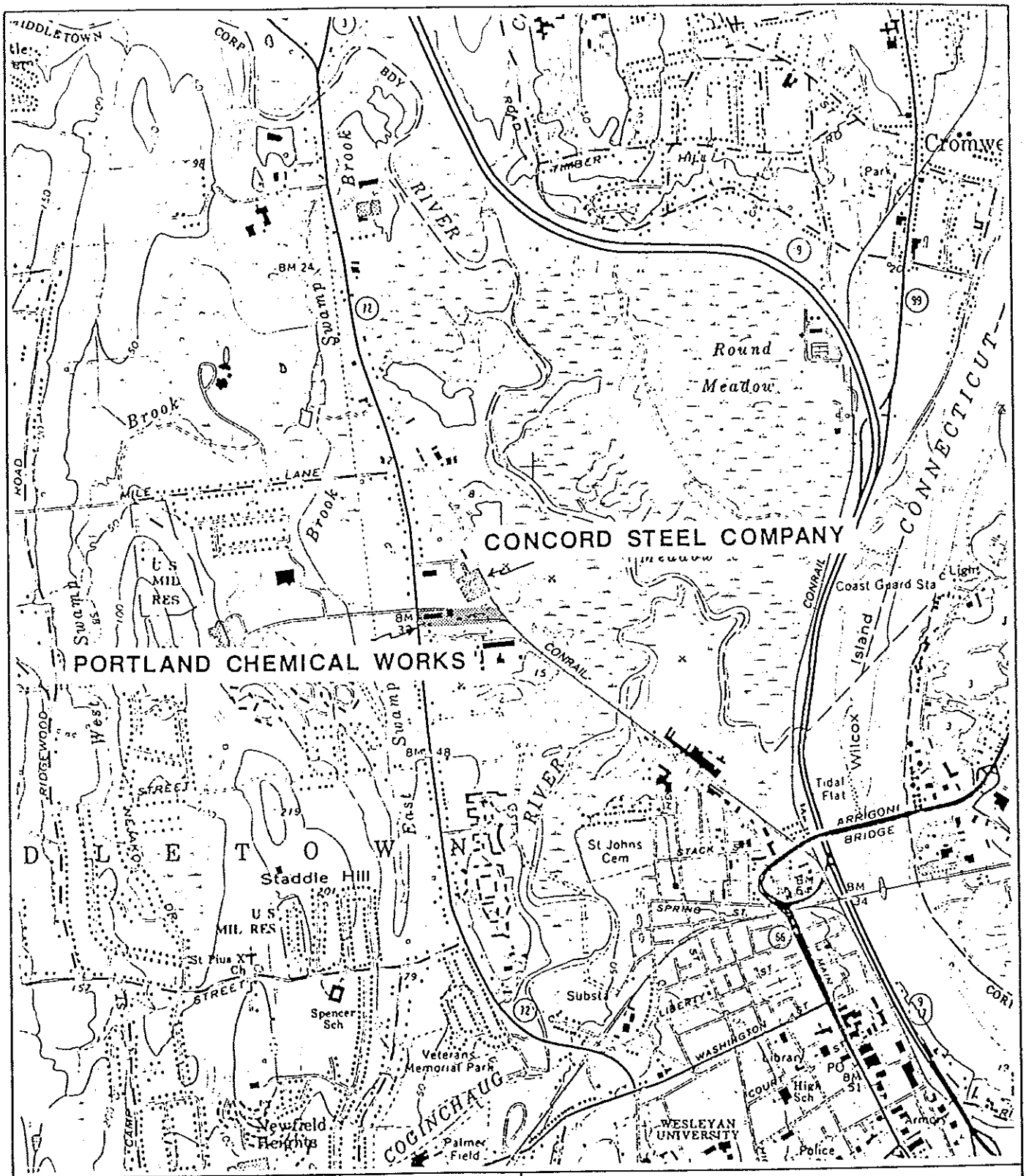
Parameter	Results	Method Detection Limits	Standards
RCRA 8 Metals (mg/l)			
Arsenic	ND	1.0	5.0
Barium	ND	0.5	100.0
Cadmium	ND	0.1	1.0
Chromium	ND	0.2	5.0
Lead	ND	0.5	5.0
Mercury	ND	0.005	0.2
Selenium	ND	0.05	1.0
Silver	ND	0.1	5.0
Acid/Base Neutral Extractables (mg/l)			
Total Cresol	ND	0.029	10.0
2,4-Dinitrotoluene	ND	0.015	0.13
Hexachlorobenzene	ND	0.011	0.13
Hexachloro-1,3-butadiene	ND	0.032	0.72
Hexachloroethane	ND	0.020	4.3
Nitrobenzene	ND	0.0076	0.13
Pentachlorophenol	ND	0.0368	3.6
2,4,5-Trichlorophenol	ND	0.019	5.8
2,4,6-Trichlorophenol	ND	0.011	0.30
Pyridine	ND	0.10	5.0

TABLE 1
LABORATORY ANALYSIS RESULTS

Parameter	Results	Method Detection Limits
Wet Chemical Analyses (mg/kg)		
Total Cyanide	8.7	0.35
Nitrate	263	12.5
Ammonia	57	10
Chloride	449	20
Fluoride	213	2
Sulfate	ND	100
Formaldehyde	ND	1.5
Total Solids (%)	54.6	0.1
pH	9.0	--

TABLE 2
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
ANALYTICAL RESULTS

Parameter	Results	Method Detection Limits	Standards
Pesticides/Herbicides (mg/l)			
Chlordane	ND	0.010	0.03
Endrin	ND	0.001	0.003
Heptachlor	ND	0.001	0.001
Heptachlor epoxide	ND	0.001	0.001
Lindane	ND	0.001	0.06
Methoxychlor	ND	0.002	1.4
Toxaphene	ND	0.010	0.07
2,4-D	ND	0.005	1.4
2,4,5-TP	ND	0.005	0.14
Volatile Organics (mg/l)			
Benzene	ND	0.005	0.07
Carbon Tetrachloride	ND	0.005	0.07
Chlorobenzene	ND	0.018	1.4
Chloroform	ND	0.0075	0.07
1,4-Dichlorobenzene	ND	0.05	10.8
1,2-Dichloroethane	ND	0.0075	0.40
1,1-Dichloroethene	ND	0.0075	0.10
Tetrachloroethene	ND	0.0075	0.10
Trichloroethene	ND	0.005	0.07
Vinyl Chloride	ND	0.018	0.05
Methyl ethyl ketone	ND	0.05	7.2



Base Map: USGS Topographic Map
Middletown, Connecticut Quadrangle

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Scale in Feet

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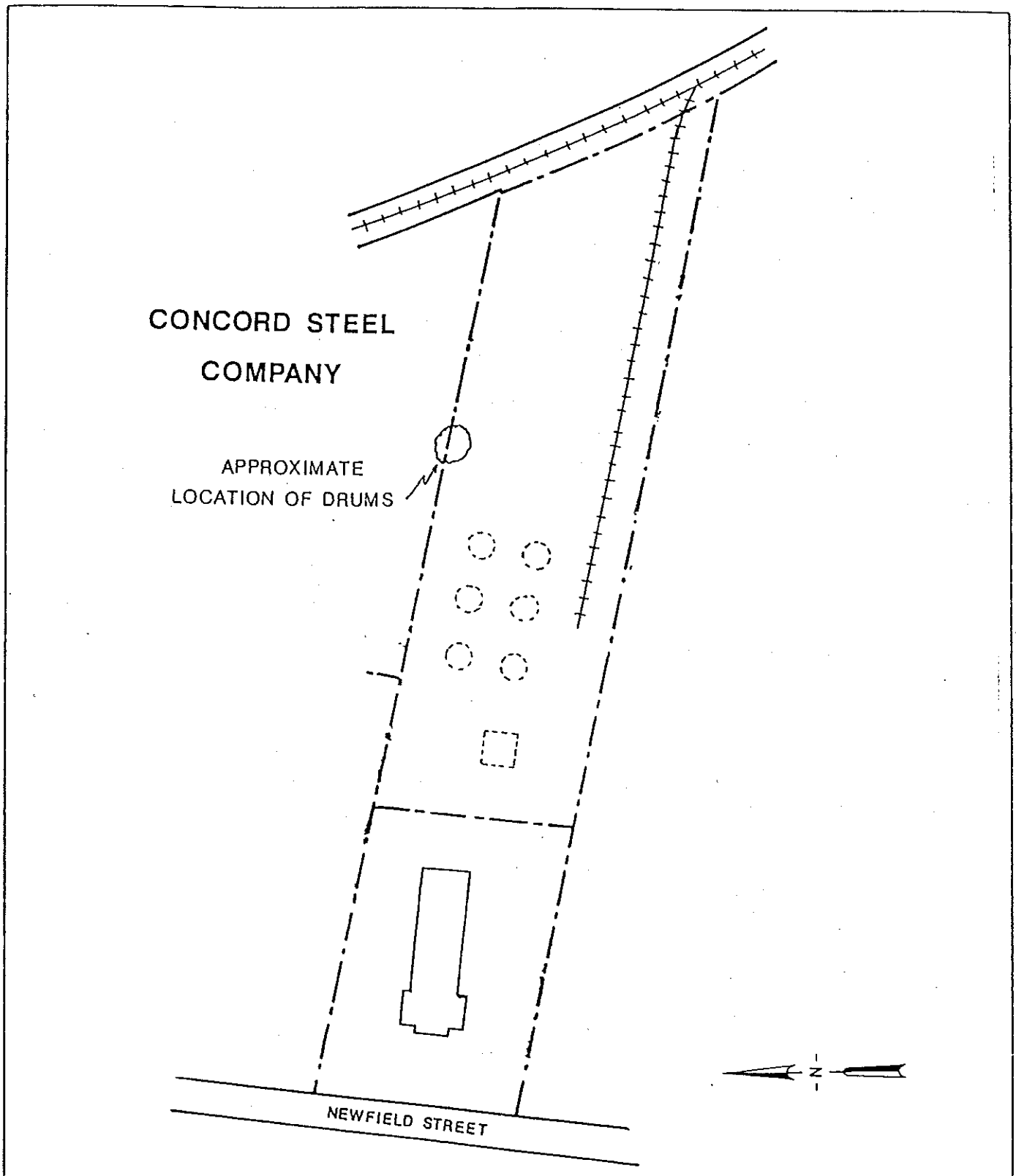
Figure 1:

Locus Map



Source: L. Norman Germain Consulting Engineer & Land Surveyor Map of the Property of The Portland Chemical Works December 10, 1959

0 80
Scale in Feet

PORTLAND CHEMICAL WORKS
680 Newfield Street, Middletown, Connecticut

Figure 2 Site Plan

RIZZO ASSOCIATES, INC.

ENGINEERS, SURVEYORS AND ENVIRONMENTAL SCIENTISTS

9 Cranbrook Boulevard, Enfield, CT 06082 (203) 745-3235 FAX (203) 741-0311

June 23, 1992

Mr. Mohamed Deria
Waste Engineering and Enforcement Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

Dear Mr. Deria:

This letter summarizes recent activities conducted at the property located at 680 Newfield Avenue in Middletown, Connecticut (the Site). These activities were discussed at an on-site meeting on April 7, 1992. Present at the meeting were yourself, David Stokes, Philip Bendheim, and John Adams. Tasks to be completed included sampling and analysis of stained soils beneath the loading area and delineation of a concrete pad in the vicinity of the loading area. Previous work completed in response to Notice of Violation No. 426 DEP/HW No. 083 included the sampling, characterization, and removal of wastes and drums from the property.

On April 13, 1992 Rizzo Associates conducted soil sampling activities at the Site. The soil sampling was conducted in accordance with the attached protocols. Three soil samples were collected, stored on ice, and transported via courier to Alpha Analytical Labs in Westborough, Massachusetts. The soil samples were analyzed for VOCs using EPA Method 8010/8020.

Soil samples PCWM-SS-SA-101 and PCWM-SS-SA-102 were collected from the stained soil area beneath the loading rack. Soil sample PCWM-SS-SA-103 was a composite sample collected to represent general soil conditions beneath the loading rack. The soil samples were collected at a depth of approximately one-inch below surface grade, above the concrete pad. The soils were composed of medium to fine grained sands, silt, and trace amounts of fine gravel. Soil sample locations are shown on Figure 1.

Laboratory analysis identified the presence of 1,1-dichloroethane, 1,1,1-trichloroethane, toluene, ethylbenzene, and xylenes in the soil. The laboratory results indicated the presence of these compounds below applicable state and federal maximum contaminant levels identified for groundwater. The laboratory results are summarized on Table 1. The complete laboratory report and chain-of-custodies are enclosed.

Delineation of the concrete pad was attempted during the sampling activities on April 13, 1992; however, the presence of standing water in the loading area prevented an accurate determination from being made. A second attempt was made on May 8, 1992. Soil was removed in several locations using a shovel. A competent layer, which appears

RIZZO ASSOCIATES, INC.

to be concrete, was encountered at depths ranging from approximately 2 to 12 inches below surface grade. The pad appears to occupy the area between the bottom of the railside gravel embankment and the berm surrounding the aboveground tanks. The approximate extent of the impervious layer is shown on Figure 2.

The completion of these activities fulfills the requirements outlined in the Notice of Violation (NOV) issued on September 25, 1991. As we previously discussed, upon completion of these activities the DEP will issue a letter rescinding the NOV. Please direct this letter to Philip Bendheim of Mathieu Corporation, 5 Mathews Avenue, Riverdale, New Jersey, 07457.

If you have any questions please contact our office.

Very truly yours,

Mark G. Peters
Project Geologist

John E. Adams
Regional Manager

cc Patrick Bowe - Department of Environmental Protection
James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Schatz & Schatz, Ribicoff & Kotkin

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TABLE 1
POSITIVE LABORATORY ANALYSIS RESULTS OF SOIL SAMPLES
Portland Chemical Works, Middletown, Connecticut
April 13, 1992

Rizzo Sample I.D. / Lab Sample I.D.	PCWM-SS-SA-101 9202609.1	PCWM-SS-SA-102 9202609.2	PCWM-SS-SA-103 9202609.3	EPA Analysis Method	Method Detection Limit	Standards/ Guidelines	
Volatile Organic Compounds (µg/kg)						EPA MCL	CT MCL
1,1-Dichloroethane	12	ND	ND	8010	5.0	NE	NE
1,1,1-Trichloroethane	42	ND	120	8010	5.0	200	200
Toluene	26	500	ND	8020	5.0	1,000	NE
Ethylbenzene	ND	96	ND	8020	5.0	700	NE
Xylenes	2,600	540	ND	8020	5.0	10,000	NE

ND = None detected
NE = None established
8010 = EPA analysis procedure for volatile halocarbons using gas chromatograph.
8020 = EPA analysis procedure for volatile hydrocarbons using gas chromatograph.

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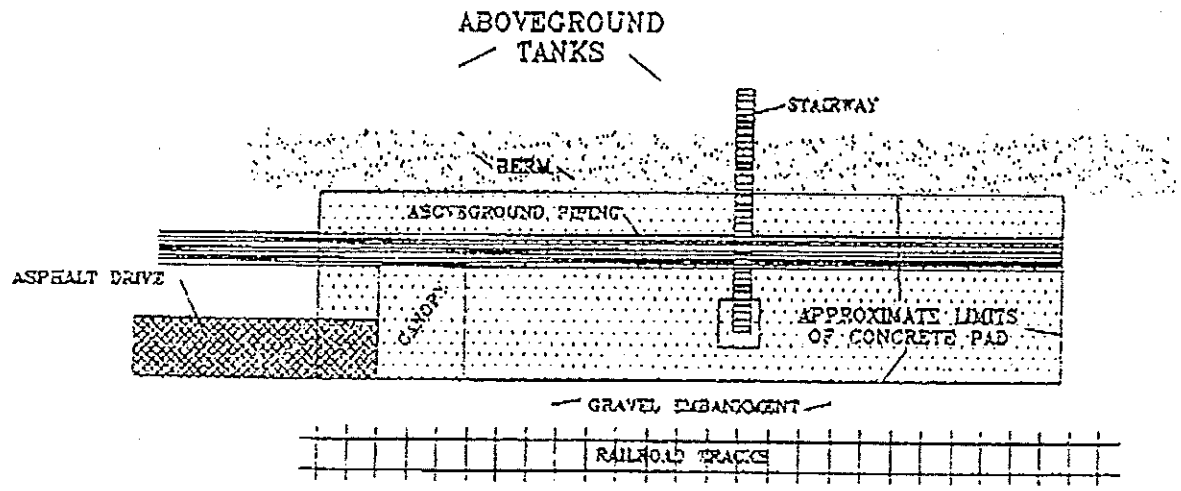

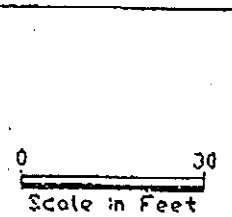

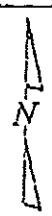

Figure 2

Plan of Loading Area
Portland Chemical Works, Middletown, CT

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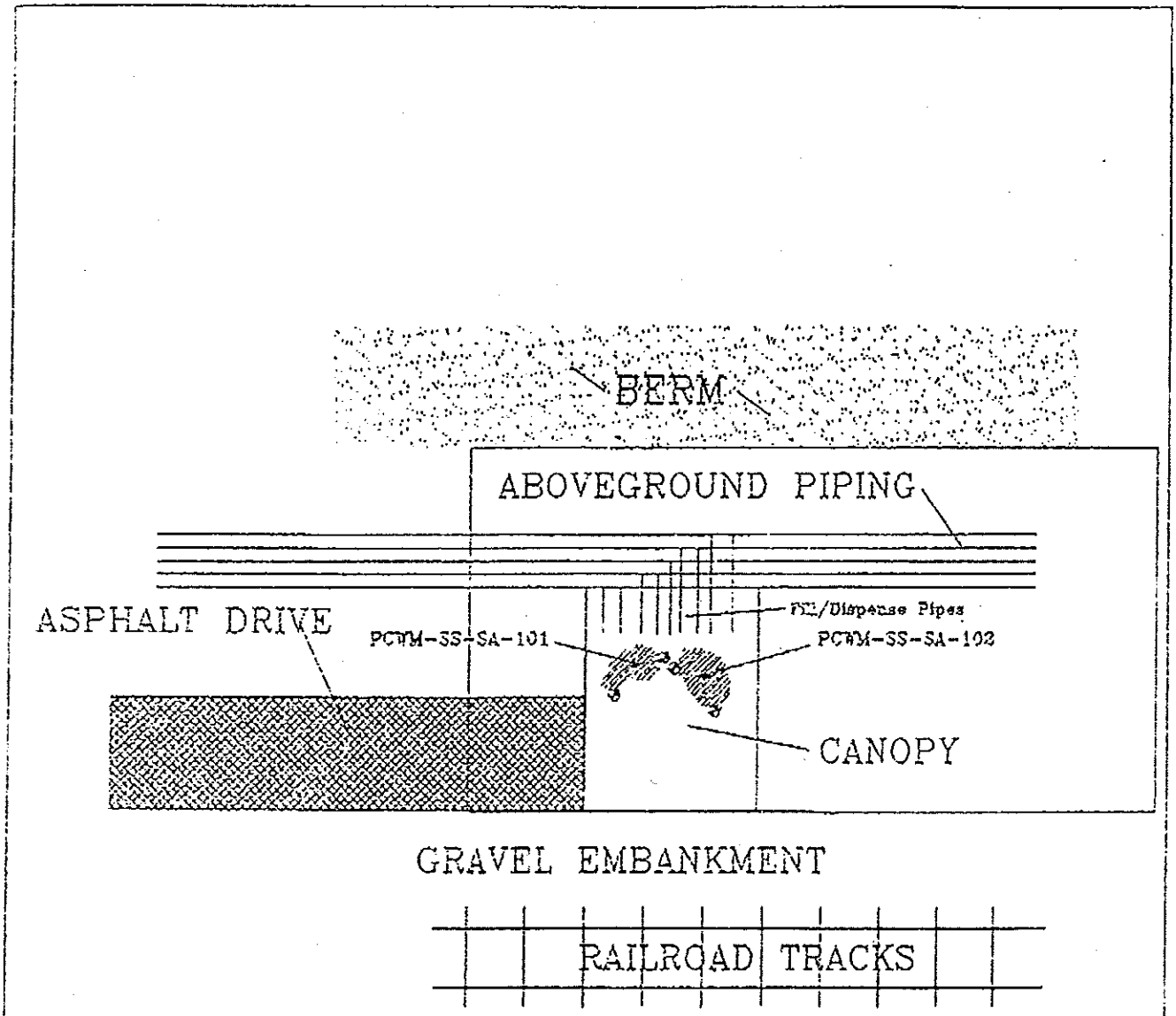

LEGEND

Stained soil area

Composite sample location (sample ID#: PCWM-SS-SA-10S)

Sampling Date: April 13, 1992

0 15
Scale in Feet

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Figure 1

Soil Sampling Locations
Portland Chemical Works, Middletown, CT

S. .TE OF CONNECTICU .
DEPARTMENT OF ENVIRONMENTAL PROTECTION

August 18, 1992

SITE NAME: Portland Chemical Wor
TOWN: Middletown
FILE TYPE: cpd

Philip Bendheim
Mathieu Corporation
5 Mathews Avenue
Riverdale, NJ 07457

Dear Mr. Bendheim:

The Waste Engineering and Enforcement Division of the Waste Management Bureau has reviewed the report dated June 23, 1992 concerning analysis data of soil samples collected at the former Portland Chemical Works facility in Middletown, Connecticut. The report was prepared by Rizzo Associates, Inc. on behalf of Mathieu Corporation.

The soil analysis data indicate xylene levels of up to 2600 micrograms per kilogram in addition to traces of other organic compounds such as 1,1-dichloroethane, 1,1,1-trichloroethane, toluene and ethylbenzene. Although most of these compounds were detected at very low levels, the Department must require that Mathieu Chemical Corporation determine whether any of the contaminants are from a listed hazardous waste source as described in 40 CFR 261 Subpart D. If the contaminants are not from a listed source, a letter certifying such a claim must be submitted to this office. In the event that Mathieu Chemical Corporation fails to provide the said certification, the soil in question may be considered hazardous waste according to the mixture rule under 40 CFR 261.3(b)(2) and will have to be disposed of accordingly.

With respect to the status of Notice of Violation ("NOV") No. 426, the Department will close the NOV as soon as all relevant issues are resolved. If you have any questions, please contact me at (203) 566-5294.

Sincerely,

Mohamed Deria

Mohamed Deria, Sanitary Engineer III
Waste Engineering and Enforcement Division
Waste Management Bureau

cc: John Adams

RIZZO ASSOCIATES, INC.

ENGINEERS, SURVEYORS AND ENVIRONMENTAL SCIENTISTS

4 Cranbrook Boulevard, Enfield, CT 06082 (203) 745-1235 FAX (203) 741-0311

September 9, 1992

Mr. Mohamed Deria
Waste Engineering and Enforcement Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

Dear Mr. Deria:

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

This letter responds to your request for additional information and our September 8, 1992 telephone conversation regarding the property located at 680 Newfield Road (the Site). In your letter dated August 18, 1992 you requested information as to whether the contaminants found in soil samples collected at the Site originated from a listed hazardous waste source as defined in 40 CFR 261 Subpart D.

Activities formerly conducted at the Site involved the warehousing, packaging, and distribution of chemicals. No hazardous wastes were generated from Site operations. The existence of a hazardous waste permit for the Site is a result of the transfer of virgin chemicals by Safety Kleen under a hazardous waste permit in 1991. This method of shipment was used in order to assure that the chemicals were transferred safely.

Based on the presence of VOCs detected in soil samples collected at the Site below drinking water standards, we do not anticipate the need for remedial activities. Submission of this information fulfills the requirements outlined in the Notice of Violation (NOV) No. 426 issued on September 25, 1991. As we previously discussed, upon completion of these activities the DEP will issue a letter closing the NOV. Please direct this letter to Philip Bendheim of Mathieu Corporation, 5 Mathews Avenue, Riverdale, New Jersey, 07457.

If you have any questions please contact our office.

Very truly yours,

Mark G. Peters
Project Geologist

John E. Adams
Regional Manager

cc Patrick Bowe - Department of Environmental Protection
James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Brown, Rudnick, Freed & Gesmer

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RIZZO ASSOCIATES, INC.

ENGINEERS AND ENVIRONMENTAL SCIENTISTS

[illegible] Boulevard, Enfield, CT 06082 (203) 745-1233 FAX (203) 741-0311

SITE NAME: PORTLAND CHEMICAL WK.
TOWN: MIDDLETOWN
FILE TYPE: THE

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FEB 10 1993

Waste Management Bureau
Site Remediation Division

October 2, 1992

Mr. Mohamed Deria
Waste Engineering and Enforcement Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

Dear Mr. Deria:

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

This letter confirms our October 1, 1992 telephone conversation regarding the property located at 680 Newfield Road (the Site). Rizzo Associates will collect additional soil samples from the stained soil area beneath the loading rack. The soil samples will be analyzed for metals, pesticides, volatile organic compounds (VOCs), base neutral compounds, and acid extractable compounds using the EPA Toxicity Characteristic Leaching Procedure (TCLP) and for VOCs using EPA Method 8015.

Information concerning the expired hazardous waste permit is detailed in a letter dated December 31, 1992. The letter was prepared by Richard Goodson and submitted to Richard Barlow of the DEP Waste Management Bureau. The correspondence discusses issues regarding the hazardous waste permit noted in the Notice of Violation (NOV) No. 426 issued on September 25, 1991. The data presented in this correspondence fully satisfies the inquiries presented in the NOV, and no further information is required to close this issue.

The completion of the sampling activities will fulfill the requirements outlined in NOV No. 426. As we previously discussed, upon completion of these activities the DEP will issue a letter closing the NOV. Please direct this letter to Philip Bendheim of Mathieu Corporation, 5 Mathews Avenue, Riverdale, New Jersey, 07457.

We expect to report the results of the soil sampling activities in approximately three weeks. If you have any questions please contact our office.

Very truly yours,

Mark G. Peters
Project Geologist

John E. Adams
Regional Manager

cc Patrick Bowe - Department of Environmental Protection
James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Brown, Rudnick, Freed & Gesmer

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STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SITE NAME: PORTLAND CHEMI WORKS
TOWN: MIDDLETOWN
FILE
cpd

October 2, 1992

John E. Adams
RIZZO ASSOCIATES, INC.
9 Cranbrook Boulevard
Enfield, CT, 06082

RE: Notice of Violation No. 426
Portland Chemical Works
680 Newfiled Avenue
Middletown, Connecticut

Dear Mr. Adams:

The intent of this letter is to confirm our telephone conversation on October 1, 1992, and to also respond to your letter of September 9, 1992.

Notice of Violation No. 426 ("NOV") required that the following tests be performed on samples obtained from stained areas at the site: TCLP, Standard Methods 8010, 8015, and 8020. Upon closer examination of the laboratory report transmitted to this office on June 23, 1992, we noticed that the analysis did not include the TCLP and Standard Method 8015. During our telephone conversation, you indicated that you would resample the soil in the same area and perform the remaining tests as soon as authorization is received from your client. I also conveyed to you that the TCLP test should screen for all the toxic constituents listed under 40 CFR 261.24. Upon submittal of a satisfactory laboratory analysis report concerning the remaining tests, this office will take steps to close the NOV. Please be advised that if any remedial action is needed as a result of this testing, it will be addressed under a separate action.

In reference to your recent letter, paragraph two, Portland Chemical Works' hazardous waste transport permit was not renewed after 1988. We do not see how the permit was related to shipments made in 1991 via Safety Klean. Also, the Department's records indicate that activities at the site did indeed involve the generation of hazardous waste during 1986 and 1987. For example, Portland Chemical Works shipped 5,925 pounds and 4,260 gallons of hazardous waste off-site. Based on available records, the above quantities of ignitable waste (D001) were taken to Solvents Recovery Service in Southington, Connecticut (EPA identification number CTD009717604). We did not research quantities of hazardous waste generated by Portland Chemical Works in other years, but the attached data certainly reflects that hazardous waste had been generated at the site in significant quantities, at least during 1986 and 1987.

Please note that the Department is aware of the fact that the Portland Chemical Works does not currently operate at the above-referenced site. It is not unreasonable to also conclude that the information pertaining to historical waste generation at the site should not directly impact the closing of the NOV when the remaining issues are resolved. However, the Department must respond to claims contained in your letter as well as in prior correspondence from the company concerning the generation of hazardous waste at the site.

Finally, on an issue which is not related to the NOV, you may want to ensure that your client is in compliance with existing regulations concerning the transfer of a hazardous waste establishment under Connecticut General Statutes, Sections 22a-134 to 22a-134d, inclusive. For information on the Transfer Act and whether it is applicable to this site, you may contact Betsey Wingfield at (203) 566-5473.

Nothing in this letter shall relieve any person of his or her obligations under federal, state and local law.

If you have any questions on the above, please contact me at 566-5294.

Sincerely,

Mohamed Deria

Mohamed Deria, San. Engineer 3
Engineering and Enforcement Division
Waste Management Bureau

Attachments: 1) 1986 & 1987 Generator Summary Reports
2) Letter from RIZZO Associates dated 9/9/92

cc: Philip Bendheim (w/ attachments)
Patrick Bowe (w/ attachments)
Betsey Wingfield (w/ attachments)
James Monopoly (w/ attachments)
Douglas A. Cohen (w/ attachments)

RIZZO ASSOCIATES INC.
ENGINEERS, SURVEYORS AND ENVIRONMENTAL SCIENTISTS

September 9, 1992

RECEIVED
SEP 14 1992
DEP- Waste Management Bureau
Waste Engineering & Enforcement
Enforcement-District 2

Mr. Mohamed Deria
Waste Engineering and Enforcement Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

Dear Mr. Deria:

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

This letter responds to your request for additional information and our September 8, 1992 telephone conversation regarding the property located at 680 Newfield Road (the Site). In your letter dated August 18, 1992 you requested information as to whether the contaminants found in soil samples collected at the Site originated from a listed hazardous waste source as defined in 40 CFR 261 Subpart D.

Activities formerly conducted at the Site involved the warehousing, packaging, and distribution of chemicals. No hazardous wastes were generated from Site operations. The existence of a hazardous waste permit for the Site is a result of the transfer of virgin chemicals by Safety Kleen under a hazardous waste permit in 1991. This method of shipment was used in order to assure that the chemicals were transferred safely.

Based on the presence of VOCs detected in soil samples collected at the Site below drinking water standards, we do not anticipate the need for remedial activities. Submission of this information fulfills the requirements outlined in the Notice of Violation (NOV) No. 426 issued on September 25, 1991. As we previously discussed, upon completion of these activities the DEP will issue a letter closing the NOV. Please direct this letter to Philip Bendheim of Mathieu Corporation, 5 Mathews Avenue, Riverdale, New Jersey, 07457.

If you have any questions please contact our office.

Very truly yours,

Mark G. Peters
Project Geologist

John E. Adams
Regional Manager

cc Patrick Bowe - Department of Environmental Protection
James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Brown, Rudnick, Freed & Gesmer

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13:42 TUESDAY, APRIL 25, 1989 PAGE 1401

DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE MANAGEMENT SECTION
*** GENERATOR SUMMARY REPORT BY GENERATOR NAME ***
*** YEAR OF REPORT 1 9 8 7 ***

ATOR EPA-ID#	GENERATOR-NAME	GENERATOR ADDRESS

MFEST DOCUMENT#	DATE SHIPPED	DOT SHIPPING NAME	EPA WASTE#	CO NO	CO TY	WT/ VOL	UNIT	TRANS EPA_ID#	TSDF EPA_ID#
CTB0083680	08/31/87	WASTE ALKA LIQ NOS MAT'L W/COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083681	09/04/87	WASTE ALKA LIQ NOS MAT'L W/COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083682	09/09/87	WASTE ALKA LIQ NOS MAT'L W/COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083683	09/14/87	WASTE ALKA LIQ NOS MAT'L W/COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083684	09/18/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4000	G	CTD001164599	CTD001164599
CTB0083685	09/24/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4000	G	CTD001164599	CTD001164599
CTB0083686	09/29/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083688	10/06/87	WASTE ALKA LIQ MAT'L NOS W/COPPER CHLRDE	D002	001	TT	4000	G	NJD054126164	CTD001164599
CTB0083689	10/09/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083690	10/14/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083691	10/21/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083687	10/26/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083692	10/30/87	WASTE ALKA LIQ MATL NOS W/COPPER CHLORDE	D002	001	TT	4500	G	NJD054126164	CTD001164599
CTB0083693	11/04/87	WASTE ALKA LIQ MATL NOS COPPER CHLORIDE	D002	001	TT	3500	G	CTD001164599	CTD001164599
CTB0083694	11/09/87	WASTE ALKA LIQ MAT'L NOS COPPER CHLORIDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083695	11/12/87	WASTE ALKA LIQ MAT'L NOS COPPER CHLORIDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083696	11/17/87	WASTE ALKA LIQ MAT'L NOS COPPER CHLORIDE	D002	001	TT	4500	G	NJD054126164	CTD001164599
CTB0083697	11/20/87	WASTE ALKA LIQ MAT'L NOS COPPER CHLORIDE	D002	001	TT	3250	G	CTD001164599	CTD001164599
CTB0083698	11/25/87	WASTE ALKA LIQ MAT'L NOS COPPER CHLORIDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083699	12/02/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTB0083700	12/07/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	3250	G	CTD001164599	CTD001164599
CTC0134901	12/10/87	WASTE ALKA LIQ MAT'L COPPER CHLORIDE NOS	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTC0134902	12/15/87	WASTE ALKA LIQ MAT'L COPPER CHLORIDE NOS	D002	001	TT	3500	G	CTD001164599	CTD001164599
CTC0134903	12/18/87	WASTE ALKA LIQ MAT'L NOS COPPER CHLORIDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTC0134904	12/23/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	4500	G	CTD001164599	CTD001164599
CTC0134905	12/29/87	WST ALKALINE LIQ NOS MTRL, COPPER CHLRDE	D002	001	TT	3000	G	CTD001164599	CTD001164599
						36000			

GENERATOR TOTAL (TONS) 0.00
GENERATOR TOTAL (GALLONS) 288,140.00

0069262186	PORTLAND CHEMICAL WORKS	680 NEWFIELD STREET, MIDDLETOWN, CT

MFEST DOCUMENT#	DATE SHIPPED	DOT SHIPPING NAME	EPA WASTE#	CO NO	CO TY	WT/ VOL	UNIT	TRANS EPA_ID#	TSDF EPA_ID#
CTA0015947	01/21/87	WASTE FLAMMABLE LIQUID NOS	D001	001	TT	4260	G	CTD009717604	CTD009717604
CTA0015945	08/05/87	WASTE FLAMMABLE LIQUID, NOS	D001	005	DM	2095	P	CTD009717604	CTD009717604
CTA0015933	12/21/87	WASTE LIQ NOS AROMATICS/ALCOHOLS/KETONES	D001	001	DM	1670	P	CTD009717604	CTD009717604
						8025			

GENERATOR TOTAL (TONS) 1.88
GENERATOR TOTAL (GALLONS) 4,260.00

0000001553	PORTLAND INTERNATIONAL AIRPORT	1001 WEST BROOK ST PORTLAND, ME

MFEST DOCUMENT#	DATE SHIPPED	DOT SHIPPING NAME	EPA WASTE#	CO NO	CO TY	WT/ VOL	UNIT	TRANS EPA_ID#	TSDF EPA_ID#
CTB0026504	10/14/87	WASTE FLAMMABLE LIQUID NOS	D001	001	TT	30	G	MAD062179890	CTD021816889
						30			

DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE MANAGEMENT SECTION
*** GENERATOR SUMMARY REPORT BY GENERATOR NAME ***
*** YEAR OF REPORT 1 9 8 6 ***

GENERATOR EPA-ID#	GENERATOR-NAME	GENERATOR ADDRESS

MANIFEST DOCUMENT#	DATE SHIPPED	DOT SHIPPING NAME	EPA WASTE#	UNNA#	WT/VOL	UNIT	TRANS EPA_ID#	TSDF EPA_ID#
CTB0052512	12/23/86	WASTE AQUA AMMONIA SOLUTION, MATERIAL	D002	1760	3080	G	RID040098352	RID040098352
CTB0052513	12/24/86	WASTE AQUA AMMONIA SOLUTION, MATERIAL	D002	1760	3400	G	RID040098352	RID040098352
CTB0052514	12/30/86	WASTE AQUA AMMONIA SOLUTION, MATERIAL	D002	1760	3400	G	RID040098352	RID040098352
		GENERATOR TOTAL (TONS)			86.66			
		GENERATOR TOTAL (GALLONS)			167,870.00			

CTD069262186 PORTLAND CHEMICAL WORKS — 680 NEWFIELD STREET, MIDDLETOWN, CT

CTA0015950	08/15/86	WASTE, FLAMMABLE LIQUID, NOS	D001	1993	2160	P	CTD009717604	CTD009717604
		GENERATOR TOTAL (TONS)			1.08			
		GENERATOR TOTAL (GALLONS)			0.00			

NE7170022019 PORTSMOUTH NAVAL SHIPYARD — CODE 440-2, PORTSMOUTH, NH.

CTA0076563	09/30/86	WASTE OIL NOS, FLAMMABLE LIQUID	D001	1270	500	G	NHD980521843	CTD072138969
CTA0076571	10/07/86	WASTE HYDRAZINE AQUEOUS SOLUTION, MTRL.	D003	2030	220	G	NHD980521843	CTD072138969
CTA0076573	11/11/86	WASTE OIL, NOS, COMBUSTIBLE LIQUID	F002	1270	3500	G	NHD980521843	CTD072138969
CTA0076576	12/09/86	WASTE HYDROZINE, AQUEOUS SOLUTION	D003	2030	220	G	NHD980521843	CTD072138969
		GENERATOR TOTAL (TONS)			0.00			
		GENERATOR TOTAL (GALLONS)			4,440.00			

CTD002559441 POSI-SEAL INTERNATIONAL INC — RTE 49 & RTE 95, NORTH STONINGTON, CT

CTA0049665	06/10/86	WASTE, PAINT RELATED MATERIAL	D001	1263	50	G	RID062304985	CTD072138969
CTB0044798	09/18/86	WASTE ACID, LIQUID, NOS	D002	1760	250	G	RID062304985	CTD072138969
		WASTE ACID, LIQUID, NOS	D002	1906	50	G		
		GENERATOR TOTAL (TONS)			0.00			
		GENERATOR TOTAL (GALLONS)			350.00			

MIP000001402 POST MACHINERY COMPANY — POST ROAD, PORTSMOUTH, NH.

CTA0058657	03/21/86	HAZARDOUS WASTE LIQUID, NOS	F002	9189	275	G	RID000769711	CTD072138969
		GENERATOR TOTAL (TONS)			0.00			
		GENERATOR TOTAL (GALLONS)			275.00			

PORTLAND CHEM. WORKS
- Middletown
- cpd

RIZZO ASSOCIATES, INC.

ENGINEERS AND ENVIRONMENTAL SCIENTISTS

[illegible] Brookbrook Boulevard, Enfield, CT 06082 (203) 745-1233 FAX (203) 741-0311

October 23, 1992

Mr. Mohamed Deria
Waste Engineering and Enforcement Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

Dear Mr. Deria:

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

This letter summarizes recent soil sampling activities conducted at the property located at 680 Newfield Avenue in Middletown, Connecticut (the Site). These activities were requested in your letter dated October 2, 1992 and discussed during our telephone conversation on October 1, 1992.

On October 2, 1992 Rizzo Associates conducted soil sampling activities at the Site. The soil sampling was conducted in accordance with the attached protocols. The soil sample was collected, stored on ice, and transported via courier to Alpha Analytical Labs in Westborough, Massachusetts. The soil samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8015 and for VOCs, metals, semi-volatile organics, pesticides, and herbicides using the Toxicity Leaching Characteristic Procedure (TCLP).

Soil sample PCWM-SS-SA-201 was collected from the stained soil area beneath the loading rack. The soil sample was collected above the concrete pad at a depth of approximately one-inch below surface grade. The soils comprised medium to fine-grained sands, silt, and trace amounts of fine gravel. The soil sample location is shown on Figure 1.

Laboratory analysis identified the presence of barium at a concentration of 5.5 mg/l. The concentration of barium is well below the EPA maximum concentration level of contaminants for characteristic hazardous waste of 100 mg/l. Barium is a naturally occurring element in soil. The complete laboratory report and chain-of-custodies are enclosed.

The completion of these activities fulfills the requirements outlined in the Notice of Violation (NOV) issued on September 25, 1991. As discussed in your letter dated October 2, 1992, upon completion of these activities the DEP will issue a letter rescinding the NOV. Please direct this letter to Philip Bendheim of Mathieu Corporation, 5 Mathews Avenue, Riverdale, New Jersey, 07457.

If you have any questions please contact our office.

Very truly yours,

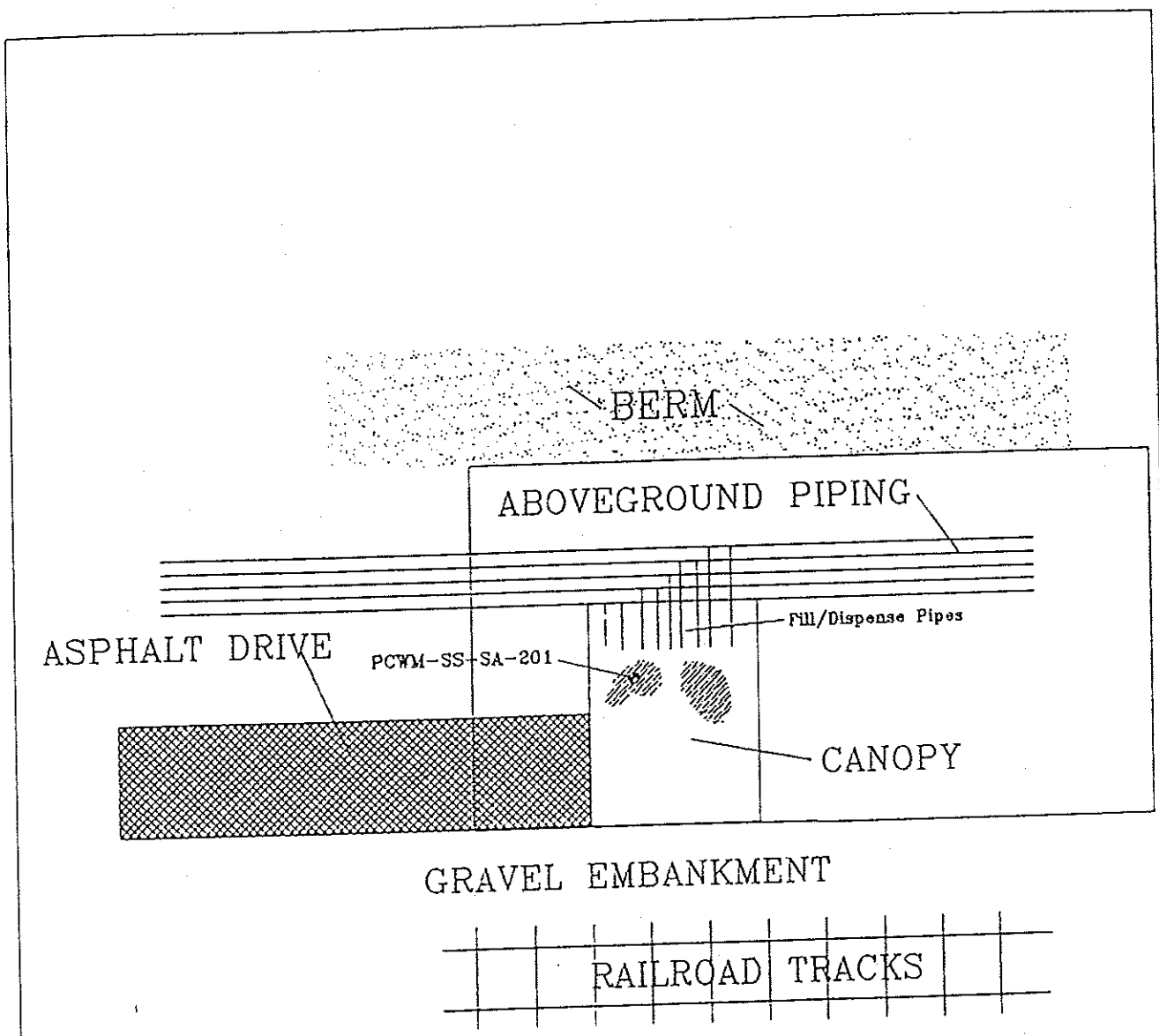
RIZZO ASSOCIATES, INC.

Mark G. Peters
Project Geologist

John E. Adams
Regional Manager

cc Patrick Bowe - Department of Environmental Protection
James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Brown, Rudnick, Freed & Gesmer, P.C.

F:\RIZZO\HW\225201L0.MGP



LEGEND

Stained soil area

Sample location (sample ID#: PCWM-SS-SA-201)

Sampling Date: October 2, 1992

0 15

Scale in Feet

N

Figure 1

Soil Sampling Locations

Portland Chemical Works, Middletown, CT

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SITE NAME: Portland Chemical
TOWN: Middletown
FILE TYPE: cpd

MEMORANDUM

TO: Edward Parker, Director
Permitting, Engineering, Enforcement
and Remediation Division
Water Management Bureau

FROM: David A. Nash, Director DAN.
Engineering and Enforcement Division
Waste Management Bureau

DATE: November 16, 1992

SUBJ.: Portland Chemical Works
Middletown, Connecticut

On August 10, 1990 staff from the Waste Engineering and Enforcement Division of the Waste Management Bureau conducted a complaint inspection at the Portland Chemical Works facility in Middletown, Connecticut.

On October 3, 1992 Notice of Violation No. 426 ("NOV") was issued to Portland Chemical Works. The NOV required Portland Chemical Works to collect soil samples from certain stained areas at the site, among other things. The soil samples have been analyzed for toxic constituents using TCLP and for volatile organics using U.S. EPA Standard Methods 8010, 8015 and 8020 (please refer to the attached copies of laboratory results). Based on the attached analytical data, the stained soil is not hazardous waste. Please be advised that we are in the process of closing the NOV which did not require any remedial measures concerning soil contamination.

The groundwater in the area has a GB classification and we do not see significant contamination from available information. Nonetheless, we have to bring this information to your attention because Patrick Bowe and Tom Botti of your group have indicated some interest in the site. From recent telephone conversations between Mohamed Deria of my staff and Patrick and Tom, it appears that the site had been, at least, considered for inclusion in your inventory of hazardous waste sites. There is also a possibility that Transfer Act requirements may apply in this case since the property changed hands in 1988.

In view of the above, we are referring the issue of the stained soils at this site to your group so that you may take appropriate action as you deem necessary. If you have any questions on this matter, please contact Mohamed Deria of my staff at (203) 566-5294.

Enclosures

PORTLAND CHEMICAL
MIDDLETOWN
FILE NO. cpd

RIZZO ASSOCIATES, INC.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS

November 20, 1992

RECEIVED
DEP-7

Mr. Mohamed Deria
Waste Engineering and Enforcement Division
Bureau of Waste Management
Connecticut Department of Environmental Protection
20 Trinity Street
Hartford, Connecticut 06106

Dear Mr. Deria:

RE: Portland Chemical Works Facility, 680 Newfield Street, Middletown, Connecticut

Pursuant your request, we are providing information concerning the disposal of disodium phosphate materials from the Portland Chemical (PCW) works facility located in Middletown, Connecticut. As identified in the attached materials, Stout Environmental, Inc. of Farmingdale, New York arranged for disposal of the aforementioned materials at the Republic Environmental Systems, Inc. facility. The materials were transported off-site on July 30, 1992.

I believe the attached materials fulfills your requests for additional information. We look forward to your letter closing the NOV matter. If you have any questions please contact our office.

Very truly yours,

John E. Adams
Regional Manager

cc Patrick Bowe - Department of Environmental Protection
James Monopoli - City of Middletown Department of Health
Philip Bendheim - Mathieu Corporation
Douglas A. Cohen, Esquire - Brown, Rudnick, Freed & Gesmer

F:\RIZZO\HW\2252\01L10JEA

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MEMO TO FILE
CLOSURE OF NOTICE OF VIOLATION

Work

SITE NAME: Portland Chemical
TOWN: Middletown
FILE TYPE: cpd

DATE: November 19, 1992

TO: David A. Nash, Director
Waste Engineering and Enforcement Division
Bureau of Waste Management
18-20 Trinity Street
Hartford, CT 06106

FROM: Mohamed Deria, Sr. San. Engineer MD
Engineering and Enforcement Division
Bureau of Waste Management
18-20 Trinity Street
Hartford, CT 06106

RE: NOV No. 426 issued on October 3, 1991
Site Name: Portland Chemical Works
Street Address: 680 Newfield Street
Town: Middletown, Conn.

On January 2, 1992 Portland Chemical Works ("PCW") submitted a report detailing its response to Notice of Violation No. 426 ("NOV"). The report summarized PCW's activities at the above site and indicated that the chemicals stored at the facility then were only commercial products intended for distribution. Nearly all these chemicals were transferred out of state by the time the NOV was issued. PCW has also arranged for the sampling of certain stained areas at the site as required. Based on my review of submitted analytical results, the stained soil is not hazardous waste.

The stained areas were sampled on two separate occasions. In the first round, the samples were tested for the presence of organic compounds using U.S. EPA Standard Methods 8010 and 8020. The resulting analysis data indicate xylene levels of upto 2600 micrograms per kilogram in addition to traces of 1,1-dichloroethane, 1,1,1-trichloroethane, toluene and ethylbenzene. In a letter dated September 9, 1992 PCW certified that the detected organic compounds did not originate from a listed hazardous waste source as described under 40 CFR 261, Subpart D.

The samples collected in the second sampling event were analyzed for volatile organic compounds using U.S. EPA Standard Method 8015 and the Toxicity Characteristic Leachate Procedure. The submitted laboratory analysis data did not detect any non-halogenated volatile organic compounds or toxic constituents at or above regulatory levels.

Based on my observations during a site visit which took place on April 7, 1992 and my review of documents submitted, I do not recommend that any further enforcement action be taken at this time.

Finally, nothing in this memorandum shall affect the Commissioner's authority to institute any proceeding to prevent or abate pollution, to recover costs and natural resource damages, and to impose penalties for violations of the law. Also, nothing in this letter shall relieve any person of his or her obligations under applicable federal, state and local law.

Case Engineer: _____

Director: _____

cc: Darlene Sage
Patrick Bowe
Philip Bendheim
John Adams
James Monopoly

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SITE NAME: Portland Chemical Co. SUPERFUND
TOWN: Middletown
FILE TYPE: THE

NOTICE OF VIOLATION

TO: Mr. Philip Bendheim, dba Portland Chemical Works, Inc.

On November 19, 1992, the Permitting, Enforcement and Remediation Division, Bureau of Water Management, Department of Environmental Protection ("Department"), found the following situation concerning the property at 680 Newfield Street in Middletown, Connecticut.

1. A filing pursuant to Section 22a-134a of the Connecticut General Statutes has not been made and the appropriate filing fee as required by Section 22a-134e has not been received for the October 24, 1988 transfer of the establishment located at 680 Newfield Street in Middletown, Connecticut.

   You have therefore violated Sections 22a-134a and 22a-134e of the Connecticut General Statutes.

Deadline for verifying to the Department that violation has been corrected.
Within thirty days from the date of issuance of this notice:

1. A filing pursuant to Section 22a-134a and an appropriate filing fee as required by Section 22a-134e must be recieved by the Property Transfer Program. Enclosed are the necessary forms for your use.

2. Submit a compliance statement on a form prescribed by the Department (copy enclosed) describing how the above violation has been corrected.

Compliance Statement. The Compliance Statement shall be signed by a responsible corporate officer or a duly authorized representative of such person, as those terms are defined in section 22a-430-3(b)(2)(B) of the Regulations of Connecticut State Agencies and by the individual responsible for actually preparing such statement, each of whom shall read and sign the certification regarding false statements on the Compliance Statement. The Compliance Statement, and any questions, shall be directed to:

Mr. Thomas W. RisCassi
Department of Environmental Protection
Bureau of Water Management
Permitting, Enforcement and Remediation Division-18-20
165 Capitol Avenue
Hartford, Connecticut 06106
(203) 566-5473

Within fifteen days of the date you become aware of a change in any information in the Compliance Statement, or that any information was inaccurate or misleading or that any relevant information was omitted, submit the correct or omitted information to the person identified above.

Other violations may exist; Legal obligations. This Notice of Violation does not necessarily specify all violations which may exist at your property in this or other areas regulated by the Department. It is your responsibility to comply with all legal requirements regardless of whether the Department notifies you of any violation or takes any enforcement action against you. Nothing in this Notice relieves you of other obligations under applicable federal, state and local law.

Penalties; Further enforcement action. A civil penalty of up to $100,000 is applicable to the above violation under Section 22a-134d of the Connecticut General Statutes. For any violation, the Department may seek such penalties and may also issue an order, seek an injunction or take other legal action under Chapters 439 and 445 of the Connecticut General Statutes.

No assurance by Commissioner. No provision of this Notice of Violation and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the corrective actions taken will result in compliance.

ISSUED THIS 1st DAY OF December, 1992,

Edward C. Parker
Director
Permitting, Enfrocement & Remediation
Division-18-20
Bureau of Water Management
Dept. of Environmental Protection
165 Capitol Avenue
Hartford, CT 06106

NOV No. SRD-NOV-016

Sent Certified Mail
Return Receipt Requested
P 058 239 074
Mr. Philip Bendheim
Mathieu Corporation
5 Mathews Avenue
Riverdale, New Jersey 07457

Note: Information must be typewritten

COMPLIANCE STATEMENT

NOV No. SRD-NOV-016
Facility name: Portland Chemical Works, Inc.
Address: 680 Newfield Street, Middletown, Connecticut 06457

In accordance with the directions in the above-referenced Notice of Violation, I certify that the noted violations have been corrected in the following manner:

1. Violation number 1:

[The following documentation is attached to demonstrate that violation number 1 has been corrected:]

(Attach additional sheets as needed for additional violations)

Certification of Accuracy

I certify that the information in this Compliance Statement and its attachments is true, accurate and complete, and I understand that any false statement may be punishable as a criminal offense under Conn. Gen. Stat. §§22a-6 and 53a-157.

_____ (type name and title): _____
date

_____
telephone

_____
address

_____ (type name and title): _____
date

_____
telephone

_____
address

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER COMPLIANCE/HAZARDOUS WASTE MANAGEMENT

INDUSTRIAL SURVEY
EPWC-9 NEW 1/83

COMPANY NAME: Hampden Mathieu Chem. Co.
TOWN:
DEP/WPC NO.:
VILLAGE:
REC. STREAM WATERSHED:
ADDRESS: 680 Newfield St.
CHIEF OFFICIAL - TITLE: John Connley - Ph. Mgr.
PHONE: 341-2390
MAILING ADDRESS (if different from location):
CONTACT - TITLE: Pete Revicki - Warehouse
PHONE: Same
Middletown 06457
NO. of EMP.: TOTAL 4; PRODUCTION 2 drivers 2 warehouse; DAYS WORKED 5; SHIFTS 1
DATE ESTABLISHED 1970
REPORTED BY: C. Ready DATE 8-29-90

PRODUCTS: Chemical distributors

PROCESSES - Date Discharge Established (each process)

A: Warehouse & distributors of acids, caustics, solvents (etc) plasticizers (liquids & solids)

B:

C:

D:

TYPE OF WASTE (each process)

A:

B:

C:

D:

WATER USAGE	Gals.-per-day	HOW COMPUTED	DISCHARGED TO
Sanitary Sewage	60	4x15	Sewer
Industrial Waste			
Clean Discharge			
Boiler Water			
n Product			
Unaccounted			
TOTAL	280	3-3-89/3-30-90 used 11200 Cf	

WATER SOURCE(S): MDC — Add details on well(s)

ANITARY TREATMENT —

INDUSTRIAL TREATMENT — ~~underground~~ septic or holding

SAMPLE(S) COLLECTED: topsoil LOCATION: tank Rear of old blend bldg.

NOTES/COMMENTS: Hampden Color Chem - Springfield was bought out by Mathieu Co. & thats what made name change. Co. also has been known as - Portland Chem OR Philips Bros.

HAMPDEN
MATHIEU
CHEMICAL COMPANY
126 Memorial Drive
Springfield, MA 01101
Office: 413-732-2112
FAX: 413-736-7350
Outside Mass Dial
1-800-225-3546

September 18, 1990

Department of Environmental Protection
Water Compliance
122 Washington Street
Hartford, CT. 06106

Attn: Colette Ready
Senior Field Inspector

Dear Ms. Ready:

The following is in response to your visit to the Hampden/Mathieu facility in Middletown, CT.

We were unable to locate the plant drawings to confirm where the three drains you observed in (1) the garage; (2) the warehouse; (3) the drumming shed lead.

However, personnel who are familiar with the plant know by first hand experience that the first two lead to the area immediately behind the tank farm. The drain in the drum shed as you know leads to the underground tank adjacent to the drumming shed.

Since the first two drains pose an unacceptable situation in the event of spills, we have plugged both of them, sealing them permanently with concrete.

The third drain, coupled to the underground tank, would provide a reliable method to deal with a spill in that building if it were empty.

Therefore, we will make arrangements to ship the contents to the appropriate permitted treatment facility.

There has not been any drumming activity at that facility in years. We believe most of the volume of water presently in the tank is from rain water. Appropriate steps will be taken to prevent any more rain water from entering the tank.

In regard to this particular matter, I trust the above adequately addresses your questions and concerns.

Please contact the writer directly if there is anything further we are required to do.

Sincerely yours,

Richard Goodson

Richard Goodson
Director of Operations

RG/wt

EPHM:2 REV. 3/84

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST SECTION, State Office Building, Hartford, CT 06106

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CTD 069262186 — Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
Portland Chemical Works, Inc.
680 Newfield Street
Middletown, CT 06457

4. Generator's Phone (203) 346-2398

5. Transporter 1 Company Name
Portland Chemical Works, Inc.

6. US EPA ID Number
CTD069262186

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Solvents Recovery Service of New England
Lazy Lane
Southington, CT

10. US EPA ID Number
CTD009717602

A. State Manifest Document Number: CT A 0015949
B. State Gen. ID
C. State Tran. ID
D. Tran. Phone
E. State Tran. ID
F. Tran. Phone
G. State Facility's ID
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Flammable Liquid N.O.S. Flammable Liquid UN1993	001	DM	1555	P	D001
b.					
c.					
d.					

J. Additional Description for Materials Listed Above
a.
b.
c.
d.

K. Handling Codes for Waste Listed Above
a.
b.
d.

15. Special Handling Instructions and Additional Information
Pin #4665

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Ronald P. Formichi		05 15 85

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
STEVE FRITZE		

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space
MAY 20 1985

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

EPA Form 8700-22 (3-84) Form Approved. OMB No. 2000-0404. Expires 7-31-86

GENERATOR — TRANSPORTER

COPY 6: DESTINATION STATE — Mailed by Generator

CT A 0015949

FOR SPILLS WITHIN CONNECTICUT CONTACT DEP — OIL AND CHEMICAL SPILL UNIT 566-3338

EPHM-2 REV. 5/97

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.
	C T P 0 0 0 0 1 0 5 6 0 4 / 0 0 3 0		

3. Generator's Name and Mailing Address
PURSUANT TO ER CGS22A-451 GENERATOR IS
PORTLAND CHEMICAL WORKS, 690 NEWFIELD ST
MIDDLETOWN, CT 06457

4. Generator's Phone (860 844-3401

A. State Manifest Document Number: CT F 0990030

B. G.S.I. (Gen. Site Address): 690 NEWFIELD ST MIDDLETOWN, CT 06457

5. Transporter 1 Company Name: Environmental Services, Inc.
6. US EPA ID Number: C T D 0 1 6 8 1 1 8 0 2

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.L. (Trans. Lic. Plate #)
D. Trans. Phone (860) 528-9500
E. S.T.L. (Trans. Lic. Plate #)
F. Trans. Phone

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING, INC.
50 CROSS ST
BRIDGEPORT, CT 06610

10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7

G. State Facility's ID (Not Required)
H. Facility's Phone (203) 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid, Phosphoric Acid) 8, UN3264, PGII, (D002) (D007) (D011) (F006)	001	TT	00714	G	EPA D002 D007 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. 0154C02L1SC

K. Handling Codes for Wastes Listed Above
Interim / Final / Interim / Final
a. / b. / c. / d.

15. Special Handling Instructions and Additional Information
24 HR CONTACT (203)334-1666 ESI PROJECT# 2001-0070
ERG# 154

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
		12	1	2001

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

COPY 8: GENERATOR RETAINS

CT F 0990030

EPA Form 8700-22 (Rev. 9/91)

EPHM-2 REV. 1/97

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C T P 0 0 0 0 1 9 5 0 4 | Manifest Document No. 9 0 0 2 2 9 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law, but may be required by State law.

3.a. Generator's Name and Mailing Address
PURSUANT TO RR CG322A-151 GENERATOR IS
PORTLAND CHEMICAL WORKS, 680 NEWFIELD ST
MIDDLETOWN, CT 06457

4. Generator's Phone (860) 344-3481

A. State Manifest Document Number: CT F0990029

B. State Generator Site Address: 680 NEWFIELD ST MIDDLETOWN, CT 06457

5. Transporter 1 Company Name: Environmental Services, Inc.
6. US EPA ID Number: C T D 0 1 6 8 1 1 8 0 2
C. State Trans. Lic. Plate No.: CT-37A
D. Trans. Phone No.: (860) 620-9500

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Trans. Lic. Plate No.
F. Trans. Phone No.

9. Designated Facility Name and Site Address: BRIDGEPORT UNITED RECYCLING, INC.
50 CROSS ST
BRIDGEPORT, CT 06610
10. US EPA ID Number: C T D 0 9 2 9 3 8 8 7
G. State Facility's ID (Not Required in CT)
H. Facility's Phone: (203) 334-1500

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ, Waste corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid), (Phosphoric Acid), 8, UN3264 PGII	1	T T	330	G	STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: 01) CHELSO 330 GALLONS

K. Handling Codes for Wastes Listed Above: Interim / Final

15. Special Handling Instructions and Additional Information: 24 HR CONTACT (203)334-1500 ERI PROJECT# 2001-0076 ERG# 154

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Robert S. Ross		6	12	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		6	12	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gary Smith		6	12	01

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

COPY 8: GENERATOR RETAINS

CT F 0990029

FOR SPILLS WITHIN CONNECTICUT CONTACT U.S. COAST GUARD • 800-424-8802

IN THE EVENT OF A SPILL CONTACT THE NATIONAL RESPONSE CENTER

HM-2 REV. 5/97

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

ase type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CTP000010614 — Manifest Document No.: 90028
2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

A. State Manifest Document Number: CT F0990028

3. Generator's Name and Mailing Address
PURSUANT TO ER CGS22A-451 GENERATOR IS
PORTLAND CHEMICAL WORKS 1680 Newfield ST
MIDDLETOWN, CT 06457

B. G.S.T. (Gen. Site Address) 680 NEWFIELD ST, MIDDLETOWN, CT 06457

4. Generator's Phone (860) 344-3401

5. Transporter 1 Company Name: Environmental Services, Inc.
6. US EPA ID Number: CTD018011802

C. S.T.L. (Trans. Lic. Plate #)
D. Trans. Phone

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. S.T.L. (Trans. Lic. Plate #)
F. Trans. Phone

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING, INC.
50 CROSS ST
BRIDGEPORT, CT 06610

10. US EPA ID Number: CTD002593887

G. State Facility's ID (Not Required)
H. Facility's Phone (203)

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid, Phosphoric Acid), 8, UN-3268, PG II (D002), (D007), (D039), (F001)	001	TT	05000	G	D002 D007
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. 0154 02LL50

K. Handling Codes for Wastes Listed Above
(s) Interim / Final / Interim / Final

15. Special Handling Instructions and Additional Information
24 HR CONTACT (203) 334-1600 ESI PROJECT# 2001-0078

ERG# 154

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	12	12	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gary Smaglis	Gary Smaglis	01	23	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

COPY 8: GENERATOR RETAINS

CT F 0990028

PWM-2 REV. 5/97

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C T P 0 0 0 0 1 9 6 6 4 — Manifest Document No. 9 0 0 3 2
2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

A. State Manifest Document Number: CT F0990032

3. Generator's Name and Mailing Address
PURSUANT TO ER CG322A-451 GENERATOR IS
PORTLAND CHEMICAL WORKS, 680 NEWFIELD ST
MIDDLETOWN, CT 06457

B. G.S.T. (Gen. Site Address): 680 NEWFIELD ST, MIDDLETOWN, CT 06457

4. Generator's Phone (860 344-3481

5. Transporter 1 Company Name: Environmental Services, Inc.
6. US EPA ID Number: C T D 0 1 8 6 1 1 8 0 2

C. S.T.L. (Trans. Lic. Plate #)
D. Trans. Phone: 860-528-9500

7. Transporter 2 Company Name
8. US EPA ID Number

E. S.T.L. (Trans. Lic. Plate #)
F. Trans. Phone

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING, INC.
50 CROSS ST
BRIDGEPORT, CT 06610

10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7

G. State Facility's ID (Not Required)
H. Facility's Phone (203) 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid, Phosphoric Acid, 8, UN3264, PGII (D002), (D007), (D039), (F001)	001	TT	6000	G	D002 D007
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
0154CDC2DEC

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 HR CONTACT (203)334-1666 PBI PROJECT# 2001-0078
ERG# 154

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name | Signature | Month Day Year: 10 12 01

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year: 10 12 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

COPY 8: GENERATOR RETAINS

CT F 0990032

EPHM-2 REV. 5-97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.
	CTF0990033			

3. Generator's Name and Mailing Address	A. State Manifest Document Number
PURSUANT TO RR 0688-151 GENERATOR IS PORTLAND CHEMICAL WORKS, 680 NEWFIELD ST MIDDLETOWN, CT 06457	CT F0990033
4. Generator's Phone (860) 344-1401	B. State Generator's ID
5. Transporter 1 Company Name: Environmental Services, Inc.	6. US EPA ID Number: CTD981981002 — C. State Transporter's ID
7. Transporter 2 Company Name	8. US EPA ID Number — D. State Transporter's ID
9. Designated Facility Name and Site Address: BRIDGEPORT UNITED RECYCLING, INC. 50 CROSS ST BRIDGEPORT, CT 06610	10. US EPA ID Number: CTD002593887 — E. State Facility's ID (If Required) — F. Facility's Phone (203) 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ, Waste corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid, Phosphoric Acid, 8, UN3264, PGII, (D002), (D007), (D039), (Pool	001	T	05200	G	EPA STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above — Interim	Final	Interim	Final
01) CCLLC				

15. Special Handling Instructions and Additional Information: 24 HR CONTACT (203)334-1666 EST PROJECT# 2001-0078
ERG# 154

Point of Departure:

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Printed/Typed Name	Signature	Month	Day	Year
Chris Pelletier	Chris Pelletier	1	23	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gary Smagh's	Gary Smagh's	1	23	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

COPY B: GENERATOR RETAINS

CT F 0990033

APPENDIX E

COPIES OF SELECTED MIDDLETOWN MUNICIPAL FILES

MIDDLETOWN CT COMMERCIAL/INDUSTRIAL PROPERTY DESCRIPTION CARD

680 NEWFIELD ST | Account Number: R09333 | MAP/BLOCK/LOT 18 17-5A 35 | Living Units: 0 | Class: C 330 | Zoning: I-2 | Card # 1 of 2

CURRENT OWNER/ADDRESS

RJAJ LLC

66 THOMAS ST
MIDDLETOWN CT 06457

DBA/NOTES:

THIS LOT FOR 2.9AC FROM CITY
TO RJAJ IN 1229/362;(REMAINING

SALES DATA:

DATE	TYPE	PRICE	CODE
0			0
0			0

OWNER HISTORY:

DEED VOL/PG
DISTRICT 1

Neighborhood ID: 403.00
Census Tract: 5414

Deed Volume: 1229
Deed Page: 362
Deed Date: 20000413
Deed Type:

LAND DATA:

TYPE	SIZE	LAND INFLUENCE(S)	FACTOR	LAND VALUE
PRIMARY	2.900		0	126,000
	0.000		0	0
	0.000		0	0
	0.000		0	0
	0.000		0	0
	0.000		0	0

TOTAL ACREAGE: 2.900 TOTAL LAND VALUE: 126,000

- VALUATION INFORMATION -

Cost Estimate - 247,270
Income Estimate - 113,400
Override Reason - NO OVERRIDE

Total Value - 247,270

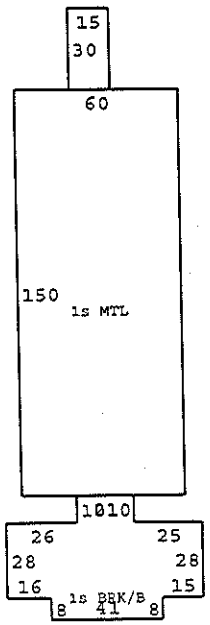
Total Assessed: 173,090

ATTACHED IMPROVEMENTS:

TYPE	M1	M2	M3	#UNITS	TYPE	M1	M2	M3	#UNITS
OD1	16	0	16	1		0	0	0	0
LD1	15	0	30	1		0	0	0	0
RP5	3	0	20	1		0	0	0	0
	0	0	0	0		0	0	0	0

SKETCH DATA:

		AREA		
* 1s MTL	10	0	9000	D
A LOAD DOCK	10	0	450	E
B 1s BRK/B	10	0	2554	F
C				G



COST APPROACH DETAIL:

LEVELS	USE	HEATING	A/C	AREA	SF RATE	RCN	% GOOD	RCNLD
B1 TO B1	082-MULTI-USE OFFI	CHOT AIR	NONE	2554	50.19	128,180	.20	25,630
01 TO 01	082-MULTI-USE OFFI	CHOT AIR	NONE	2554	61.91	158,100	.20	31,630
01 TO 01	045-WAREHOUSE	UNIT HEAT	NONE	9000	21.36	192,260	.20	38,460
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0

BUILDING #	1
YEAR BUILT	1952
# UNITS	0
QUALITY GRADE	C
# EFFICIENCIES	0
# 1-BEDROOMS	0
# 2-BEDROOMS	0
# 3-BEDROOMS	0

TOTAL UNADJ.RCNLD	95,720
GRADE FACTOR	1.00
# IDENT UNITS	1
FUNC/ECON FACTOR	1.00
RCNLD	95,720

OUTBUILDING/YARD ITEM DETAIL:

DESCRIPTION	WIDTH	LENGTH OR SIZE	QUAN.	YEAR BUILT	PHYS. COND.	FUNC. UTIL.	VALUE
FN1-FENCE CHAIN	6	180	1	%1960	NORMAL	NORMAL	1,320
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
OTHER IMPROV							0

TOTAL OBY/YARD VALUE: 1,320

PERMIT DATA:

DATE	#	PRICE	PURPOSE

NOTES:
PORTLAND CHEMICAL WORKS INC

MIDDLETOWN CT COMMERCIAL/INDUSTRIAL PROPERTY DESCRIPTION CARD

680 NEWFIELD ST | Account Number: R09333 | MAP/BLOCK/LOT 18 17-5A 35 | Living Units: 0 | Class: C 330 | Zoning: I-2 | Card # 2 of 2

CURRENT OWNER/ADDRESS

RJAJ LLC

66 THOMAS ST
MIDDLETOWN CT 06457

DBA/NOTES:

THIS LOT FOR 2.9AC FROM CITY
TO RJAJ IN 1229/362;(REMAINING

SALES DATA:

DATE	TYPE	PRICE	CODE
0			0
0			0

OWNER HISTORY:

DEED VOL/PG
DISTRICT 1

Neighborhood ID: 403.00
Census Tract: 5414

Deed Volume: 1229
Deed Page: 362
Deed Date: 20000413
Deed Type:

LAND DATA:

TYPE	SIZE	LAND INFLUENCE(S)	FACTOR	LAND VALUE
	0.000		0	0
	0.000		0	0
	0.000		0	0
	0.000		0	0
	0.000		0	0
	0.000		0	0

TOTAL ACREAGE: 2.900 TOTAL LAND VALUE: 126,000

- VALUATION INFORMATION -

Cost Estimate - 247,270
Income Estimate - 113,400
Override Reason - NO OVERRIDE

Total Value - 247,270

Total Assessed: 173,090

ATTACHED IMPROVEMENTS:

TYPE	M1	M2	M3	#UNITS	TYPE	M1	M2	M3	#UNITS
OD1	16	0	16	4		0	0	0	0
CP6	20	0	21	1		0	0	0	0
	0	0	0	0		0	0	0	0
	0	0	0	0		0	0	0	0

SKETCH DATA: AREA

* 1s MTL	10	D	
A CANOPY	11	E	
B		F	
C		G	

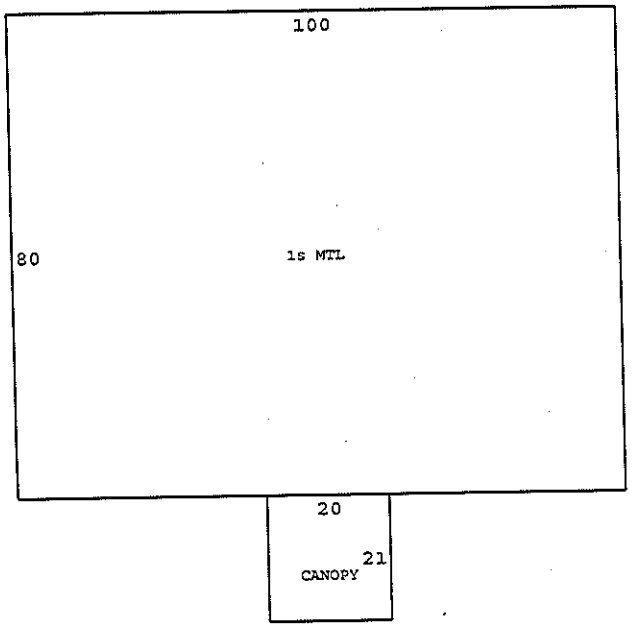
AREA

COST APPROACH DETAIL:

LEVELS	USE	HEATING	A/C	AREA	SF RATE	RCN	% GOOD	RCNLD
01 TO 01	045-WAREHOUSE	UNIT HEAT	NONE	8000	21.73	173,840	.10	17,390
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0

BUILDING #	2
YEAR BUILT	1964
# UNITS	0
QUALITY GRADE	D
# EFFICIENCIES	0
# 1-BEDROOMS	0
# 2-BEDROOMS	0
# 3-BEDROOMS	0

TOTAL UNADJ.RCNLD	13,560
GRADE FACTOR	0.78
# IDENT UNITS	1
FUNC/ECON FACTOR	1.00
RCNLD	13,560



OUTBUILDING/YARD ITEM DETAIL:

DESCRIPTION	WIDTH	LENGTH OR SIZE	QUAN.	YEAR BUILT	PHYS. COND.	FUNC. UTIL.	VALUE
RG4-GARAG FRAME	24	41	1	%1960	NORMAL	NORMAL	8,580
RG4-GARAG FRAME	12	20	1	%1960	FAIR	NORMAL	2,090
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
							0

OTHER IMPROV

TOTAL OBY/YARD VALUE: 10,670

PERMIT DATA:

DATE	#	PRICE	PURPOSE

NOTES:

MIDDLETOWN CT COMMERCIAL/INDUSTRIAL PROPERTY DESCRIPTION CARD

NEWFIELD ST (REAR) Account Number: R14327 MAP/BLOCK/LOT 18 17-5A 36 Living Units: 0 Class: E 903 Zoning: I-2 Card # 0 of 1

CURRENT OWNER/ADDRESS

CITY OF MIDDLETOWN

PO BOX 1300
MIDDLETOWN CT 06457

DBA/NOTES: ADD FOR 2000 LIST

WAS PREVIOUSLY COMB. W/LOT 35;
-2.9 AC TO 1229/362 (FOR LOT

OWNER HISTORY:

DEED VOL/PG
DISTRICT 1

Neighborhood ID: 403.00
Census Tract: 5414

Deed Volume: 1153
Deed Page: 692
Deed Date: 19980325
Deed Type:

- VALUATION INFORMATION -

Cost Estimate -	132,800
Income Estimate -	0
Override Reason -	NO OVERRIDE
Total Value -	132,800
Total Assessed:	92,960

LAND DATA:

TYPE	SIZE	LAND INFLUENCE(S)	FACTOR	LAND VALUE
PRIMARY	3.070		0	132,800
	0.000		0	0
	0.000		0	0
	0.000		0	0
	0.000		0	0
	0.000		0	0

TOTAL ACREAGE: 3.070 TOTAL LAND VALUE: 132,800

SALES DATA:

DATE	TYPE	PRICE	CODE
0		0	
0		0	

ATTACHED IMPROVEMENTS:

TYPE	M1	M2	M3	#UNITS	TYPE	M1	M2	M3	#UNITS
	0	0	0	0		0	0	0	0
	0	0	0	0		0	0	0	0
	0	0	0	0		0	0	0	0
	0	0	0	0		0	0	0	0

SKETCH DATA: AREA AREA

*
A D
B E
C F
G

COST APPROACH DETAIL:

LEVELS	USE	HEATING	A/C	AREA	SF RATE	RCN	% GOOD	RCNLD
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0
TO	0	NONE	NONE	0	0.00	0	.00	0

BUILDING #	0
YEAR BUILT	0
# UNITS	0
QUALITY GRADE	
# EFFICIENCIES	0
# 1-BEDROOMS	0
# 2-BEDROOMS	0
# 3-BEDROOMS	0

TOTAL UNADJ.RCNLD	0
GRADE FACTOR	0.00
# IDENT UNITS	0
FUNC/ECON FACTOR	0.00
RCNLD	0

OUTBUILDING/YARD ITEM DETAIL:

DESCRIPTION	WIDTH	LENGTH OR SIZE	QUAN.	YEAR BUILT	PHYS. COND.	FUNC. UTIL.	VALUE
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0
	0	0	0	0		NONE	0

OTHER IMPROV 0

TOTAL OBY/YARD VALUE: 0

PERMIT DATA:
DATE # PRICE PURPOSE

NOTES:

SEWER CONNECTION Front Property (Jukowski)

Street and No. 680 NewField Street Owner R.J. LTD.

Date of Connection 12-1, 12-2-99 Inspected by Dave

Type and Size of Connection 6" PVC Depth of Connection 10'

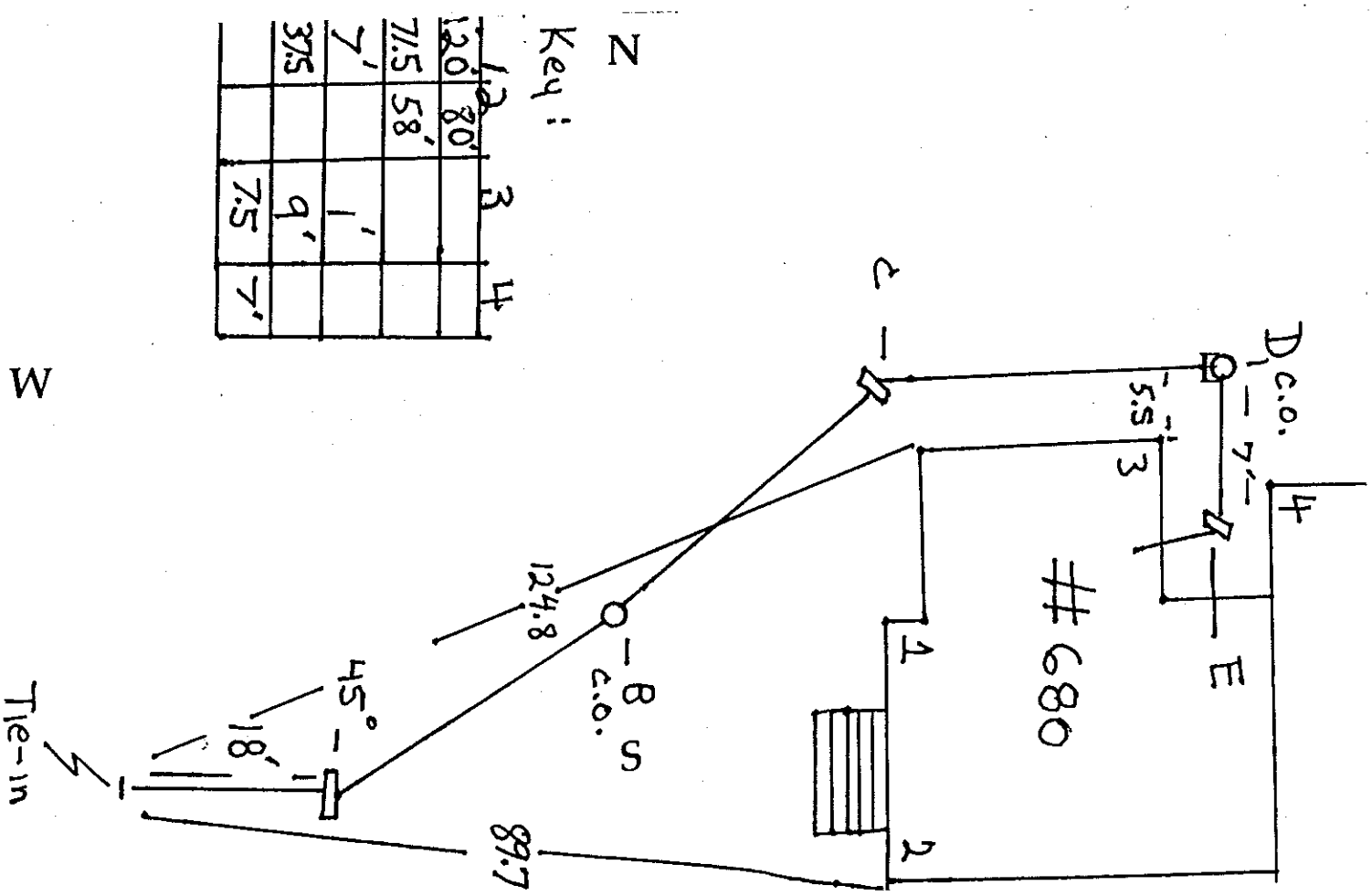
Contractor D. Mitchell License No. 207455

Permit No. 99-191 Lot No.

Location

Remarks

Book No. 49 Page No. 69 Service No.



STREET *Water Connection* *Connection Date*

DATE LAID	*5/9/51*
KIND OF PIPE	Copper
SIZE	1"
DISTANCE CURB COCK TO WATER MAIN	35 ft.
LOCATION OF CURB BOX	98 ft. from building and 2 ft. south of same
SERVICE SUPPLIES	Factory
WORK ORDER NO.	1188
LABOR COST	71.73
MATERIAL COST	40.71
TOTAL COST	112.44
RENEWED	
WORK ORDER NO.	
LABOR COST	
MATERIAL COST	
TOTAL COST	
REPAIRS	
WORK ORDER NO.	
LABOR COST	
MATERIAL COST	
TOTAL COST	
REMARKS	

N

W E

S

SERVICE NO. 4688 NO. STREET Newfield

TYPIST PLEASE NOTE—THIS SCALE CORRESPONDS TO TYPEWRITER (PICA) SCALE—SET PAPER GUIDES SO THAT CARD SCALE WILL REGISTER WITH MACHINE SCALE WHEN CARD IS TURNED INTO WRITING POSITION. START INDEX THREE (3) POINTS FROM LEFT EDGE OF CARD. USE OTHER POINTS OF SCALE FOR OTHER DIVISIONS OF VISIBLE TITLE. SET TABULATORS TO INSURE PERFECT ALIGNMENT OF EACH DIVISION OF INFORMATION. FOLD BACK OR REMOVE STUB AFTER TYPING. USE NEW TYPEWRITER RIBBON.
KARDEX VISIBLE DIVISION 886-114-14508-5M-4-48 REMINGTON RAND INC. 13 U.S.A.

3 Hillstrom Drive W. H. Safeway Heat Div. #4688

APPLICATION FOR WATER SERVICE

CITY OF MIDDLETOWN WATER DEPARTMENT

I hereby apply for water service at No. *Newfield* Street to be used as *factory*. I agree to pay the connection or excavation fee in advance and all water charges when due subject to the rules and regulations of the City of Middletown.

SPECIAL AGREEMENT

Date *4/23* 19*51*

Signed *Joseph F. O'Rourke*
Applicant

THE PORTLAND CHEMICAL WORKS
INCORPORATED
680 Newfield Street - Middletown, Connecticut 06457 - Telephone (203) 346-2390

November 1, 1991

Fire Marshall's Office
Middletown Fire Department
533 Main Street
Middletown, CT 06457

Re: SARA TITLE III - TIER II REVISIONS

Dear Sir:

As you may already know, in April of this year, the chemical distribution business of Mathieu Corporation was sold to Van Waters & Rogers, Inc., a division of Univar Corporation.

Our warehouse facility, located at the following address, falls under your jurisdiction under the Right-To-Know-Act - Title III:

The Portland Chemical Works, 680 Newfield Street, Middletown, CT.

In conjunction with our responsibilities to inform you of ongoing changes in the chemical inventory, the Tier II reports dated from January 1st through November 1st, 1991; are now void. All inventory has been removed from this facility and the corresponding Tier II's dated November 1, 1991, (enclosed) reflect this modification.

Please call me with any questions or comments.

Very truly yours,

THE PORTLAND CHEMICAL WORKS

Richard Goodson

Richard Goodson
Environmental Affairs Officer

RG/al
Enclosure

Reporting Period From January 1 to December 31, 1990

TIER TWO -- Emergency and Hazardous Chemical Inventory

FACILITY IDENTIFICATION

Name: Portland Chemical Works
Street Address:
City: Middletown
State: Connecticut
Zip: 06457
SIC Code: 4213
Dun & Brad No.: 06-926-2186

OWNER/OPERATOR NAME
Name: Mathieu Corporation
Mail Address: 5 Mathews Ave. Riverdale, NJ 07457
Phone: 201-838-0660

FOR OFFICIAL USE ONLY

ID #
Date Received

EMERGENCY CONTACT
Name: Michael P. Fisette
Title: Environmental Affairs Officer
Phone: 413-732-2112
24 Hr. Ph.: 603-673-3597
Name: John Connelly
Title: Plant Supervisor
Phone: 213-346-2390
24 Hr. Ph.: 203-347-9378

CHEMICAL DESCRIPTION	CAS # 1336-21-6 Chem. Name: AMMONIUM HYDROXIDE (Aqua Ammonia) Gas: Pure: X Liq: X Mix: Solid:	CAS # 111-76-2 Chem. Name: BUTYL CELLOSOLVE (Glycol Ether EB; Ethylene Glycol Butyl Ether) Gas: Pure: X Liq: X Mix: Solid:	CAS # 68855-54-9 Chem. Name: CELATOM FW-20 (Diatomaceous Earth) Gas: Pure: X Liq: Mix: Solid: X	CAS # 7782-63-0 Chem. Name: FERROUS SULFATE (Copperas, Heptahydrate) Gas: Pure: X Liq: Mix: Solid: X	CAS # 50-00-0 Chem. Name: FORMALDEHYDE Gas: Pure: X Liq: X Mix: Solid:
PHYSICAL and HEALTH HAZARDS EXTREMELY HAZARDOUS SUB	ACUTE: XXX CHRONIC: FIRE: PRESSURE: XXX REACTIVITY: XXX YES: NO#: XX	ACUTE: XXX CHRONIC: XXX FIRE: XXX PRESSURE: REACTIVITY: YES: NO: XX	ACUTE: XXX CHRONIC: XXX FIRE: PRESSURE: REACTIVITY: YES: NO: XX	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: XXX YES: NO: XX	ACUTE: XXX CHRONIC: XXX FIRE: XXX PRESSURE: XXX REACTIVITY: YES: XX NO:
1 INVENTORY	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 02 No. of Days: 365	Max. Daily 03 Avg. Daily: 02 No. of Days: 365	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 02 Avg. Daily: 02 No. of Days: 365
STORAGE CODES TEMP/PRESSURE AND LOCATIONS	CODES: E14; G14 Outside Main Warehouse (south wall)	CODES: D14 Flammable Storage Building (north wall)	CODES: J14 Main Warehouse (north wall)	CODES: J14 Main Warehouse (north wall)	CODES: E14 Main Warehouse -- Hot Room (south wall)
CONTAINER SIZE CONTAINER CODE	5,30,55 Gal. 32 & 45	5,55 Gal. 47	50lb. 42	50lb. 42	55 Gal. 32

CERTIFICATION -- I certify under penalty of law that I have personally examined and familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

NAME: Michael P. Fisette
DATE: 4-4-91
TITLE: Environmental Affairs Officer
SIGNATURE:

OPTIONAL ATTACHMENTS

XXXX I have attached a site plan

---- I have attached a list of site coordinate abbreviations

Reporting Period from January 1 to December 31, 1990

TIER TWO -- Emergency and Hazardous Chemical Inventory Check if identical to form submitted last year____

FACILITY IDENTIFICATION	OWNER/OPERATOR NAME	EMERGENCY CONTACT
Name: Portland Chemical Works Street Address: 680 Newfield Street City: Middletown State: Connecticut Zip: 06457 SIC Code: 4213 Dun & Brad No.: 06-926-2186	Name: Mathieu Corporation Mail Address: 5 Mathews Ave. Riverdale, NJ 07457 Phone: 201-838-0660 FOR OFFICIAL USE ONLY ID # Date Received	Name: Michael P. Fisette Title: Environmental Affairs Officer Phone: 413-732-2112 24 Hr. Ph.: 603-673-3597 Name: John Connelly Title: Plant Supervisor Phone: 203-346-2390 24 Hr. Ph.: 203-347-9378

CHEMICAL	CAS # ------	CAS # 8006-61-9	CAS # 68855-54-9	CAS # 50-00-0	CAS #
	Chem. Name: DIESEL FUEL	Chem. Name: GASOLINE	Chem. Name: CELATOM FW-20 . (Diatomaceous Earth)	Chem. Name: FORMALDEHYDE	Chem. Name:
DESCRIPTION	Gas: Pure: X Liq: X Mix: Solid:	Gas: Pure: X Liq: X Mix: Solid:	Gas: Pure: X Liq: Mix: Solid: X	Gas: Pure: X Liq: X Mix: Solid:	Gas: Pure: Liq: Mix: Solid:
PHYSICAL and HEALTH HAZARDS	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY:	ACUTE: XXX CHRONIC: FIRE: XXX PRESSURE: REACTIVITY:	ACUTE: XXX CHRONIC: XXX FIRE: PRESSURE: REACTIVITY:	ACUTE: XXX CHRONIC: XXX FIRE: XXX PRESSURE: XXX REACTIVITY:	ACUTE: CHRONIC: FIRE: PRESSURE: REACTIVITY:
EXTERMELY HAZARDOUS SUB	YES: NO: XX	YES: NO: XX	YES: NO: XX	YES: XX NO:	YES: NO:
INVENTORY	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 02 No. of Days: 365	Max. Daily: 03 Avg. Daily: 02 No. of Days: 365	Max. Daily: 02 Avg. Daily: 02 No. of Days: 365	Max. Daily: Avg. Daily: No. of Days:
STORAGE CODES TEMP/PRESSURE AND LOCATIONS	CODES: B14 U.S.T. On the South side of the Property	CODES: B14 U.S.T. On the South side of the Property	CODES: J14 Main Warehouse (north wall)	CODES: E14 Main Warehouse Hot Room (south wall)	CODES:
CONTAINER SIZE CONTAINER CODE	2,000 Gal. UST 49	1,000 Gal. UST 49	50lb. 42	55 Gal. 32	

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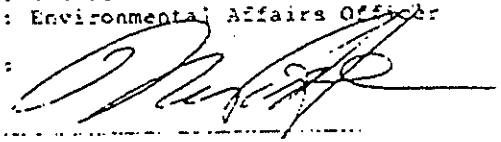

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CHEMICAL DESCRIPTION	CAS # 7647-01-0 Chem. Name: HYDROCHLORIC ACID (Muriatic Acid; Hydrogen Chloride) Gas: Pure: X Liq: X Mix: Solid:	CAS # 7664-39-3 Chem. Name: HYDROGEN FLUORIDE (Hydrofluoric Acid) Gas: Pure: X Liq: X Mix: Solid:	CAS # 67-63-0 Chem. Name: ISOPROPYL ALCOHOL (IPA; Isopropanol) Gas: Pure: X Liq: X Mix: Solid:	CAS # 7786-81-4 Chem. Name: NICKEL SULFATE Gas: Pure: X Liq: X Mix: Solid: X	CAS # 7697-37-2 Chem. Name: NITRIC ACID Gas: Pure: X Liq: X Mix: Solid:
PHYSICAL and HEALTH HAZARDS EXTREMELY HAZARDOUS SUB	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: XXX YES: NO: XX	ACUTE: XXX CHRONIC: XXX FIRE: PRESSURE: XXX REACTIVITY: XXX YES: XX NO:	ACUTE: XXX CHRONIC: FIRE: XXX PRESSURE: REACTIVITY: YES: NO: XX	ACUTE: XXX CHRONIC: XXX FIRE: PRESSURE: REACTIVITY: YES: NO: XX	ACUTE: XXX CHRONIC: XXX FIRE: PRESSURE: REACTIVITY: XXX YES: XX NO: XX
INVENTORY	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 02 Avg. Daily: 02 No. of Days: 365	Max. Daily: 03 Avg. Daily: 02 No. of Days: 365	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 02 No. of Days: 365
STORAGE CODES TEMP/PRESSURE AND LOCATIONS	CODES: E14; G14 Main Warehouse (south wall)	CODES: E14 Main Warehouse (north wall)	CODES: D14 Flammable Storage Building (southwest corner)	CODES: J14 Main Warehouse (north wall) CODES; E14 Main Warehouse Hot Room (So. wall)	CODES: E14 Main Warehouse (south wall)
CONTAINER SIZE CONTAINER CODE	5,10,15,20,30,55 G 32 & 45	10,20,25,55 Gal. 32	5,55 Gal. 47	50,100lb. 42	5,55 Gal. 32

CERTIFICATION -- I certify under penalty of law that I have personally examined and familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

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TITLE: Environmental Affairs Officer
SIGNATURE:

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24 Hr. Ph.: 603-673-3597
Name: John Connelly
Title: Plant Supervisor
Phone: 203-346-2390
24 Hr. Ph.: 203-347-9378

CHEMICAL	CAS # 151-50-8 Chem. Name: POTASSIUM CYANIDE	CAS # 70693-62-8 Chem. Name: OXONE	CAS # 497-19-8 Chem. Name: SODIUM CARBONATE (Soda Ash)	CAS # 7647-14-5 Chem. Name: SODIUM CHLORIDE (Salt)	CAS # 143-33-9 Chem. Name: SODIUM CYANIDE
DESCRIPTION	Gas: Pure: X Liq: X Mix: X Solid: X	Gas: Pure: X Liq: Mix: Solid: X	Gas: Pure: X Liq: Mix: Solid: X	Gas: Pure: X Liq: Mix: Solid: X	Gas: Pure: X Liq: X Mix: X Solid: X
PHYSICAL and HEALTH HAZARDS	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: XXX	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY:	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY:	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY:	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: XXX
EXTREMELY HAZARDOUS SUB	YES: XX NO:	YES: NO: XX	YES: NO: XX	YES: NO: XX	YES: XX NO:
INVENTORY	Max. Daily: 02 Avg. Daily: 02 No. of Days: 365	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 02 No. of Days: 365
STORAGE CODES TEMP/PRESSURE AND LOCATIONS	CODES: D14; I14 Main Warehouse -- The Cage (northeast corner)	CODES: J14 Main Warehouse (south wall)	CODES: J14 Main Warehouse (south wall)	CODES: J14 Main Warehouse (south wall)	CODES: D14; I14 Main Warehouse -- The Cage (northeast corner)
CONTAINER SIZE CONTAINER CODE	5,25,100,200,225lb. 47 & 43	55lb. 42	100lb. 42	25,50,80,1b. 42 & 47	25,100,200lb. 47 & 43

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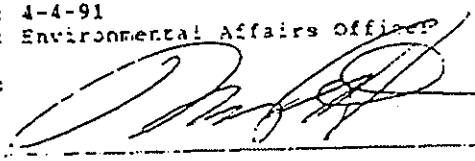

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24 Hr. Ph.: 603-673-3597
Name: John Connelly
Title: Plant Supervisor
Phone: 203-346-2390
24 Hr. Ph.: 203-347-9378

CHEMICAL DESCRIPTION	CAS # 1310-73-2 Chem. Name: SODIUM HYDROXIDE (Caustic Soda; NaOH) Pure: X Gas: Liq: X Mix: X Solid: X	CAS # 7681-52-9 Chem. Name: SODIUM HYPOCHLORITE (Bleach) Pure: X Gas: Liq: X Mix: Solid:	CAS # 7664-93-9 Chem. Name: SULFURIC ACID Pure: X Gas: Liq: X Mix: Solid:	CAS # Chem. Name: Pure: Gas: Liq: Mix: Solid:	CAS # 71-55-6 Chem. Name: 1,1,1-TRICHLOROETHANE (Chlorothene SM; Hampcothene; Triethane Aerothene TT) Pure: X Gas: Liq: X Mix: Solid:
PHYSICAL and HEALTH HAZARDS EXTERMELY HAZARDOUS SUB	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: XXX YES: NO: XX	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: XXX YES: NO: XX	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: XXX YES: XX NO:	ACUTE: CHRONIC: FIRE: PRESSURE: REACTIVITY: YES: NO:	ACUTE: XXX CHRONIC: FIRE: PRESSURE: REACTIVITY: YES: NO: XX
INVENTORY	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365	Max. Daily: Avg. Daily: No. of Days:	Max. Daily: 03 Avg. Daily: 03 No. of Days: 365
STORAGE CODES TEMP/PRESSURE AND LOCATIONS	CODES: D14; E14 Liq. Main Warehouse - Hot Room (North Wall) CODES: D14;I14;J14 S Main Warehouse (South Wall)	CODES: E14; G14 Flammable Storage Bldg. (southeast corner)	CODES: E14; G14 Main Warehouse (south wall)	CODES:	CODES: D14 Main Warehouse (north wall) Flammable Storage Building (East wall)
CONTAINER SIZE CONTAINER CODE	100,3001b. 5,55, Gal 47 & 43 & 45 & 32	5,15,50 Gal. 47 & 45	15,20,55 Gal. 32 & 45		5,55 Gal. 47

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NAME: Michael P. Fisette
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TITLE: Environmental Affairs Officer
SIGNATURE:

OPTIONAL ATTACHMENTS

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DEPARTMENT OF HEALTH
MIDDLETOWN, CONNECTICUT

COMPLAINANT'S NAME: Referred from. George Dunn - Fire Chief DATE: 11/20/91

ADDRESS: — TEL. #: —

RE: HOUSING CODE ENFORCEMENT ( ) GENERAL ENVIRONMENTAL (✓) AIR POLLUTION CONTROL ( )

LOCATION OF PREMISES: 660 Newfield St.

DESCRIPTION OF ALLEGED VIOLATIONS:

See attached letter.
Recd Hodges letter for action by me. on 11/20/91 - (JM)
(Chief Dunn said) in 11/21/91 Telecon
Local Fire Marshall & OEP out there on walk through and didn't see anything
Jim Chatfield John Forder (Oil & Chem Spill Unit) of D.E.P. observing

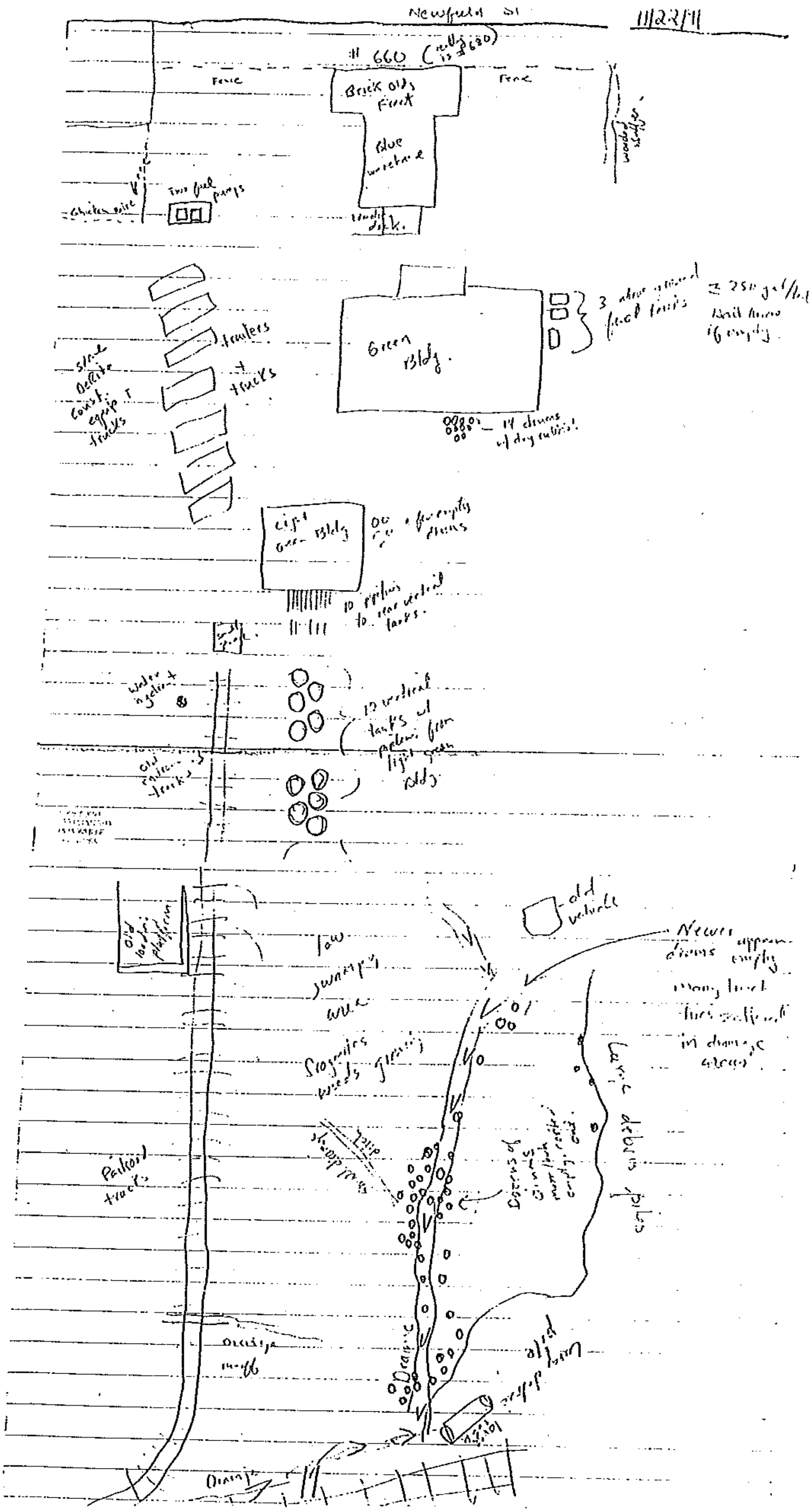
INVESTIGATOR: J. Mongeli DATE: 11/20/91

FINDINGS: 11/20/91 - Looked over area from adjacent property. Property looks abandoned. Couldn't see detail will have to return.
11/21/91 - called Chief Dunn for any additional information - Other than saying that Fire Marshall and OEP were already there and walked through area.

ACTION TAKEN:

11/22/91 - Walk through inspection of site. See attached drawing of findings
(1) Two fuel pumps - cannot tell if there is product in underground storage
(2) All Bldgs are fairly well secured, although entry looks fairly easy in some doorways (locked but not boarded). Cannot tell what is inside Bldgs - w/o entry
(3) Above ground fuel tanks - sound empty when banged, but there may be some product in there
(4) 10 vertical tanks? empty?
(5) Most barrels ~~were~~ appeared empty. Most were rusted and rotted out.

FINAL DISPOSITION: There may have been some contamination, but it would need further exploration. Suggest OEP explore further & possible referral from this office
(6) Large tank at top of bank in rear - approx 3-5 thousand gallons?



Newfield St
Fence
Fence
Brick office Front
Blue structure
Two fuel pumps
Chicken wire
Green Bldg.
3 above ground fuel tanks
14 drums of dry rubbish
trailers + trucks
Light green Bldg
few empty drums
10 pipelines to rear vertical tanks.
Water injection
12 vertical tanks w/ pipelines from light green bldg.
old railroad tracks
old loading platform
old vehicle
Newer drums appear empty
Many truck tires scattered in drainage areas.
low swampy area
Large debris piles
Railroad tracks
Drainage
Drainage
orange muck

New Business

MIDDLETOWN FIRE DEPARTMENT

MEMORANDUM

FROM: George P. Dunn, Chief

TO: Leon Vinci, Director, Health Department

DATE: November 8, 1991

RE: Newfield St. Property: Mathieu Corporation/Portland Chemical
660 Newfield Street, Middletown, CT.

On November 7, 1991 I received an anonymous phone call from a person who had either knowledge of or worked for, the Mathieu Corporation.

The caller stated that there was a concern that the rear property was probably contaminated due to chemical dumping. Knowing the occupancy, the chemical materials that were stored on the property, and the possibility of contamination, I would like to see a follow-up action on this complaint to see if it is authentic. Concerns as far as ground water runoff, proximity to the Woodrow Wilson Junior High School deserve immediate action. As Fire Marshal and as Chairman of the Local Emergency Planning Committee I feel that this should be looked into. It will be brought up at the Local Emergency Planning Committee meeting for discussion. Please advise if any additional information is necessary.

George P. Dunn
Chief

GPD/cb
cc: Mayor Sebastian Garafalo
Trina Solecki, City Attorney

MIDDLETOWN FIRE DEPARTMENT

MEMORANDUM

FROM: Deputy Fire Marshal James Chubbuck

TO: File

DATE: Monday - 11/18/91

RE: Mathieu Corporation

On the above date at approximately 10:45 a.m. I met John Porter of DEP at Mathieu Corporation.

We walked around the property looking for evidence of chemical spills. There was no apparent spill.

There are two (2) underground tanks for motor fuel. John Porter will address these.

James Chubbuck,
Deputy Fire Marshal
Fire Prevention Bureau

JC/cab

O.	PRODUCT	HAZARDOUS CLASS	IN STORAGE
	ACETIC ACID	CORROSIVE MATERIAL	
	AMMONIUM HYDROXIDE	CORROSIVE MATERIAL	
	AMMONIUM HYDROXIDE (Aqua Ammonia)	CORROSIVE MATERIAL	
	CALCIUM HYPOCHLORITE	OXIDIZER	
	POTASSIUM HYDROXIDE (Caustic Potash)	CORROSIVE MATERIAL	
	SODIUM HYDROXIDE (Caustic Soda)	CORROSIVE MATERIAL	
	FERRIC CHLORIDE	CORROSIVE MATERIAL	
	FORMIC ACID	CORROSIVE MATERIAL	
	HYDROFLUORIC ACID	CORROSIVE MATERIAL	
	ISOPROPANOL (Isopropyl Alcohol Reagent)	FLAMMABLE LIQUID	
	HYDROCHLORIC ACID (Muriatic Acid)	CORROSIVE MATERIAL	
	NITRIC ACID	OXIDIZER	
	PHOSPHORIC ACID	CORROSIVE MATERIAL	
)	SODIUM HYDROXIDE REAGENT	CORROSIVE MATERIAL	300#
	SODIUM HYPOCHLORITE	CORROSIVE MATERIAL	
	SULFURIC ACID	CORROSIVE MATERIAL	

Warehouse 1

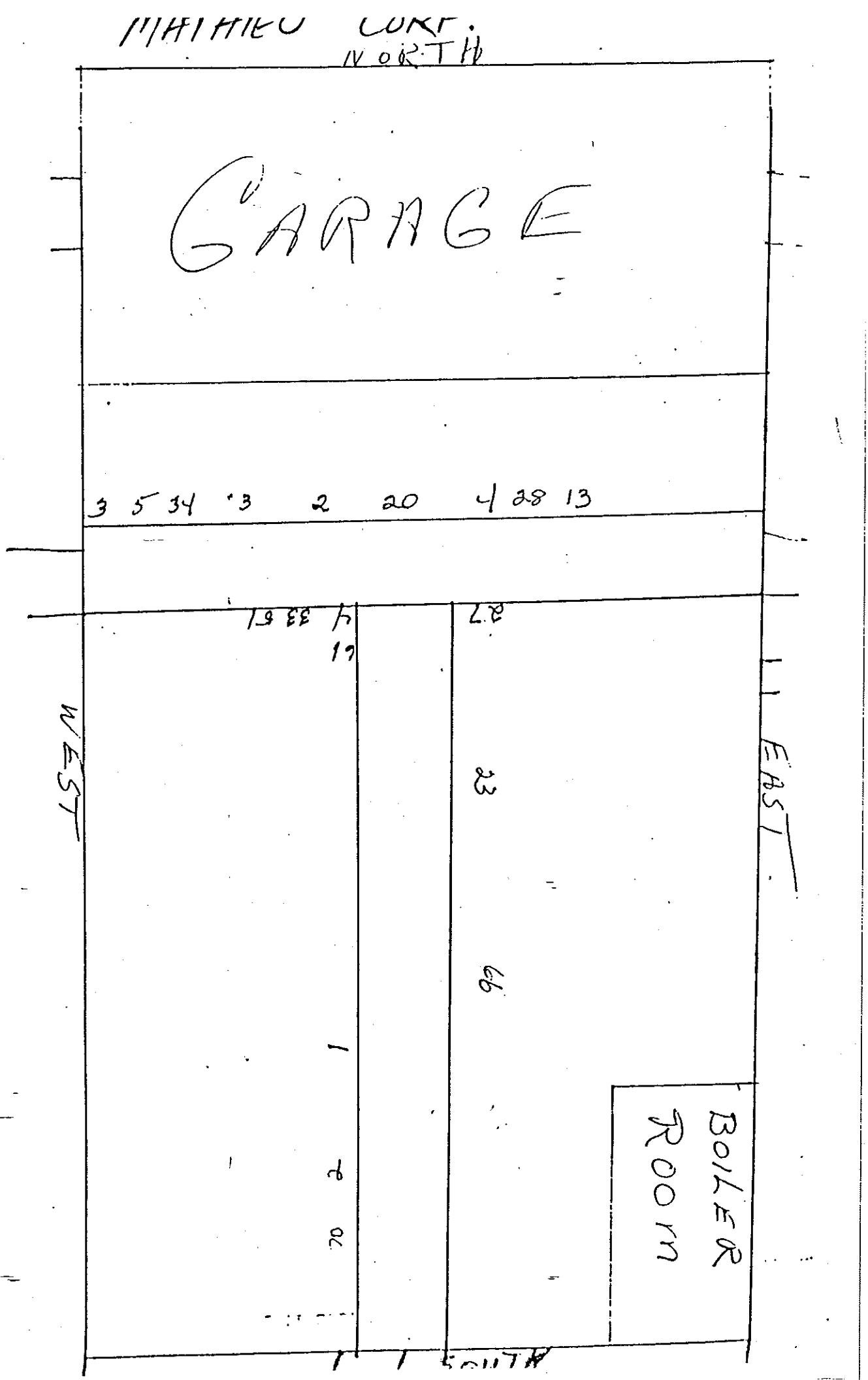
MATHIEU CORP.

O.	PRODUCT	HAZARDOUS CLASS	IN STORAGE
	ACETONE	FLAMMABLE LIQUID	
	ISOPROPANOL	FLAMMABLE LIQUID	
	METHANOL	FLAMMABLE LIQUID	
	METHYL ETHYL KETONE	FLAMMABLE LIQUID	
	TOLUENE (TOLUOL)	FLAMMABLE LIQUID	
	XYLENE (XYLOL)	FLAMMABLE LIQUID	
	ACETONE ANHYDROUS	FLAMMABLE LIQUID	
	AMMONIUM HYDROGEN FLUORIDE (Ammonium Bifluoride)	CORROSIVE MATERIAL	12,000#
	AMMONIUM PERSULFATE	OXIDIZER	15,000#
	AMYL ACETATE	FLAMMABLE LIQUID	
	ANHYDROL PM-4157 (Denatured alcohol mixture)	FLAMMABLE LIQUID	
2	BARIUM CHLORIDE CRYSTALS	POISON B	10,000#
	BUTYL ALCOHOL	FLAMMABLE LIQUID	
	BUTYL ACETATE	FLAMMABLE LIQUID	
5	POTASSIUM HYDROXIDE (Caustic Potash)	CORROSIVE MATERIAL	20,000#
6	SODIUM HYDROXIDE (Caustic Soda)	CORROSIVE MATERIAL	80,000#
7	CHROMIC ACID	OXIDIZER	15,000#
	1,4 DIOXANE	FLAMMABLE LIQUID	
	ETHYL ACETATE	FLAMMABLE LIQUID	
	ETHYL ALCOHOL	FLAMMABLE LIQUID	
	2-ETHYL HEXOIC ACID	CORROSIVE LIQUID	
	ETHYLENE DIAMINE	CORROSIVE MATERIAL	
	ETHYLENE DICHLORIDE	FLAMMABLE LIQUID	
	DIMETHYLETHANOLAMINE ANHYDROUS	CORROSIVE LIQUID	
	MONOETHANOLAMINE	CORROSIVE MATERIAL	
	TRIETHYLAMINE	FLAMMABLE LIQUID	
	PROPYLENE GLYCOL MONOMETHYL ETHER	FLAMMABLE LIQUID	
	HEXANE	FLAMMABLE LIQUID	
	HYDROFLUORIC ACID	CORROSIVE MATERIAL	
	HYDROGEN PEROXIDE	OXIDIZER	
	ISOBUTYL ACETATE	FLAMMABLE LIQUID	
	ISOBUTYL ALCOHOL	FLAMMABLE LIQUID	
	LAKTANE	FLAMMABLE LIQUID	
	METHYL ISOBUTYL KETONE	FLAMMABLE LIQUID	
	PROPYL ALCOHOL	FLAMMABLE LIQUID	

Warehouse 1

PRODUCT	HAZARDOUS CLASS	IN STORAGE
PHENOL	POISON B	
POLYPHOSPHORIC ACID	CORROSIVE MATERIAL	
POTASSIUM CYANIDE	POISON B	10,000#
POTASSIUM PERMANGANATE	OXIDIZER	
PROPYL ACETATE	FLAMMABLE LIQUID	
PROPYLENE OXIDE	FLAMMABLE LIQUID	
SODIUM CYANIDE	POISON B	50,000#
SODIUM HYDROSULFIDE	CORROSIVE MATERIAL	
SODIUM HYDROSULFITE	FLAMMABLE SOLID	5,000#
SODIUM NITRATE	IXIDIZER	
SODIUM NITRITE	OXIDIZER	10,000#
SODIUM PERSULFATE	OXIDIZER	12,000#
SODIUM SULFIDE	CORROSIVE MATERIAL	
SODIUM TETRASULFIDE	CORROSIVE LIQUID	
STRONTIUM NITRATE	OXIDIZER	
TETRAHYDROFURAN	FLAMMABLE LIQUID	
TRIETHYLENE TETRAMINE	CORROSIVE MATERIAL	
BRASS MAINTENANCE	POISON B	
BRASS PLATING CONCENTRATE	POISON B	15,000#
BRASS PLATING COMPOUND	POISON B	1,000#
COPPER CYANIDE	POISON B	10,000#
FLUOBORIC ACID	CORROSIVE MATERIAL	30,000#
POTASSIUM COPPER CYANIDE	POISON B	2,000#
RICHLOW BRASS PLATING CONCENTRATE	POISON B	
SODIUM CHLORATE	OXIDIZER	10,000#
SODIUM COPPER CYANIDE	POISON B	10,000#
SODIUM ZINC CYANIDE	POISON B	2,000#
SUPER CO-AD	CORROSIVE MATERIAL	200#
ZINC CHLORIDE SOLUTION	CORROSIVE MATERIAL	10,000#
ZINC CYANIDE	POISON B	2,000#

Warehouse 1


MATHIEU COURT
NORTH
GARAGE
3 5 34 3 2 20 4 28 13
WEST
EAST
WAREHOUSE #2
BOILER ROOM

D.	PRODUCT	HAZARDOUS CLASS	IN STORAGE
1	ACETONE	FLAMMABLE LIQUID	12,000#
2	ISOPROPANOL	FLAMMABLE LIQUID	24,000#
3	METHANOL	FLAMMABLE LIQUID	24,000#
4	METHYL ETHYL KETONE	FLAMMABLE LIQUID	16,000#
5	TOLUENE (TOLUOL)	FLAMMABLE LIQUID	16,000#
6	XYLENE (XYLOL)	FLAMMABLE LIQUID	15,000#
7	ACETONE ANHYDROUS	FLAMMABLE LIQUID	5,000#
	AMMONIUM HYDROGEN FLUORIDE (Ammonium Bifluoride)	CORROSIVE MATERIAL	
	AMMONIUM PERSULFATE	OXIDIZER	
10	AMYL ACETATE	FLAMMABLE LIQUID	
11	ANHYDROL PM-4157 (Denatured alcohol mixture)	FLAMMABLE LIQUID	2,000#
	BARIUM CHLORIDE CRYSTALS	POISON B	
13	BUTYL ALCOHOL	FLAMMABLE LIQUID	8,000#
14	BUTYL ACETATE	FLAMMABLE LIQUID	
	POTASSIUM HYDROXIDE (Caustic Potash)	CORROSIVE MATERIAL	
	SODIUM HYDROXIDE (Caustic Soda)	CORROSIVE MATERIAL	
	CHROMIC ACID	OXIDIZER	
18	1,4 DIOXANE	FLAMMABLE LIQUID	1,200#
19	ETHYL ACETATE	FLAMMABLE LIQUID	1,200#
20	ETHYL ALCOHOL	FLAMMABLE LIQUID	8,000#
21	2-ETHYL HEXOIC ACID	CORROSIVE LIQUID	
22	ETHYLENE DIAMINE	CORROSIVE MATERIAL	
23	ETHYLENE DICHLORIDE	FLAMMABLE LIQUID	5,000#
24	DIMETHYLETHANOLAMINE ANHYDROUS	CORROSIVE LIQUID	
25	MONOETHANOLAMINE	CORROSIVE MATERIAL	2,100#
26	TRIETHYLAMINE	FLAMMABLE LIQUID	
27	PROPYLENE GLYCOL MONOMETHYL ETHER	FLAMMABLE LIQUID	
28	HEXANE	FLAMMABLE LIQUID	5,000#
	HYDROFLUORIC ACID	CORROSIVE MATERIAL	
	HYDROGEN PEROXIDE	OXIDIZER	
	ISOBUTYL ACETATE	FLAMMABLE LIQUID	
	ISOBUTYL ALCOHOL	FLAMMABLE LIQUID	
	LAKTANE	FLAMMABLE LIQUID	10,000#
	METHYL ISOBUTYL KETONE	FLAMMABLE LIQUID	6,000#
	PROPYL ALCOHOL	FLAMMABLE LIQUID	

Warehouse 2

NO.	PRODUCT	HAZARDOUS CLASS	IN STORAGE
	PHENOL	POISON B	
	POLYPHOSPHORIC ACID	CORROSIVE MATERIAL	
	POTASSIUM CYANIDE	POISON B	
	POTASSIUM PERMANGANATE	OXIDIZER	
40	PROPYL ACETATE	FLAMMABLE LIQUID	
41	PROPYLENE OXIDE	FLAMMABLE LIQUID	
	SODIUM CYANIDE	POISON B	
	SODIUM HYDROSULFIDE	CORROSIVE MATERIAL	
	SODIUM HYDROSULFITE	FLAMMABLE SOLID	
	SODIUM NITRATE	IXIDIZER	
	SODIUM NITRITE	OXIDIZER	
	SODIUM PERSULFATE	OXIDIZER	
	SODIUM SULFIDE	CORROSIVE MATERIAL	
	SODIUM TETRASULFIDE	CORROSIVE LIQUID	
	STRONTIUM NITRATE	OXIDIZER	
71	TETRAHYDROFURAN	FLAMMABLE LIQUID	15,000#
72	TRIETHYLENE TETRAMINE	CORROSIVE MATERIAL	
	BRASS MAINTENANCE	POISON B	
	BRASS PLATING CONCENTRATE	POISON B	
	BRASS PLATING COMPOUND	POISON B	
	COPPER CYANIDE	POISON B	
	FLUOBORIC ACID	CORROSIVE MATERIAL	
	POTASSIUM COPPER CYANIDE	POISON B	
	RICHLOW BRASS PLATING CONCENTRATE	POISON B	
	SODIUM CHLORATE	OXIDIZER	
	SODIUM COPPER CYANIDE	POISON B	
	SODIUM ZINC CYANIDE	POISON B	
	SUPER CO-AD	CORROSIVE MATERIAL	
	ZINC CHLORIDE SOLUTION	CORROSIVE MATERIAL	
	ZINC CYANIDE	POISON B	

(upper house 2—

MATHIEU CORP.

NO.	PRODUCT	HAZARDOUS CLASS	IN STORAGE
66	ACETIC ACID	CORROSIVE MATERIAL	10,000#
	AMMONIUM HYDROXIDE	CORROSIVE MATERIAL	
	AMMONIUM HYDROXIDE (Aqua Ammonia)	CORROSIVE MATERIAL	
	CALCIUM HYPOCHLORITE	OXIDIZER	
70	POTASSIUM HYDROXIDE (Caustic Potash)	CORROSIVE MATERIAL	8,000#
71	SODIUM HYDROXIDE (Caustic Soda)	CORROSIVE MATERIAL	20,000#
72	FERRIC CHLORIDE	CORROSIVE MATERIAL	5,000#
	FORMIC ACID	CORROSIVE MATERIAL	
	HYDROFLUORIC ACID	CORROSIVE MATERIAL	
	ISOPROPANOL (Isopropyl Alcohol Reagent)	FLAMMABLE LIQUID	
	HYDROCHLORIC ACID (Muriatic Acid)	CORROSIVE MATERIAL	
	NITRIC ACID	OXIDIZER	
78	PHOSPHORIC ACID	CORROSIVE MATERIAL	10,000#
	SODIUM HYDROXIDE REAGENT	CORROSIVE MATERIAL	
	SODIUM HYPOCHLORITE	CORROSIVE MATERIAL	
	SULFURIC ACID	CORROSIVE MATERIAL	

[Warehouse 2]

THIEU CORP.

OUTSIDE IN YARD

NO.	PRODUCT	HAZARDOUS CLASS	IN STORAGE
81	SULFURIC ACID	CORROSIVE MATERIAL	20,000#
77	NITRIC ACID	OXIDIZER	6,000#
80	SODIUM HYPOCHLORITE	CORROSIVE MATERIAL	4,000#
76	HYDROCHLORIC ACID(Muriatic Acid)	CORROSIVE MATERIAL	20,000#
73	FORMIC ACID	CORROSIVE MATERIAL	4,000#
68	AMMONIUM HYDROXIDE (Aqua Ammonia)	CORROSIVE MATERIAL	8,000#
37	POLYPHOSPHORIC ACID	CORROSIVE MATERIAL	
30	HYDROGEN PEROXIDE	OXIDIZER	40,000#

NOTE: These items are stored outside along Warehouse # 1 on the south side. .

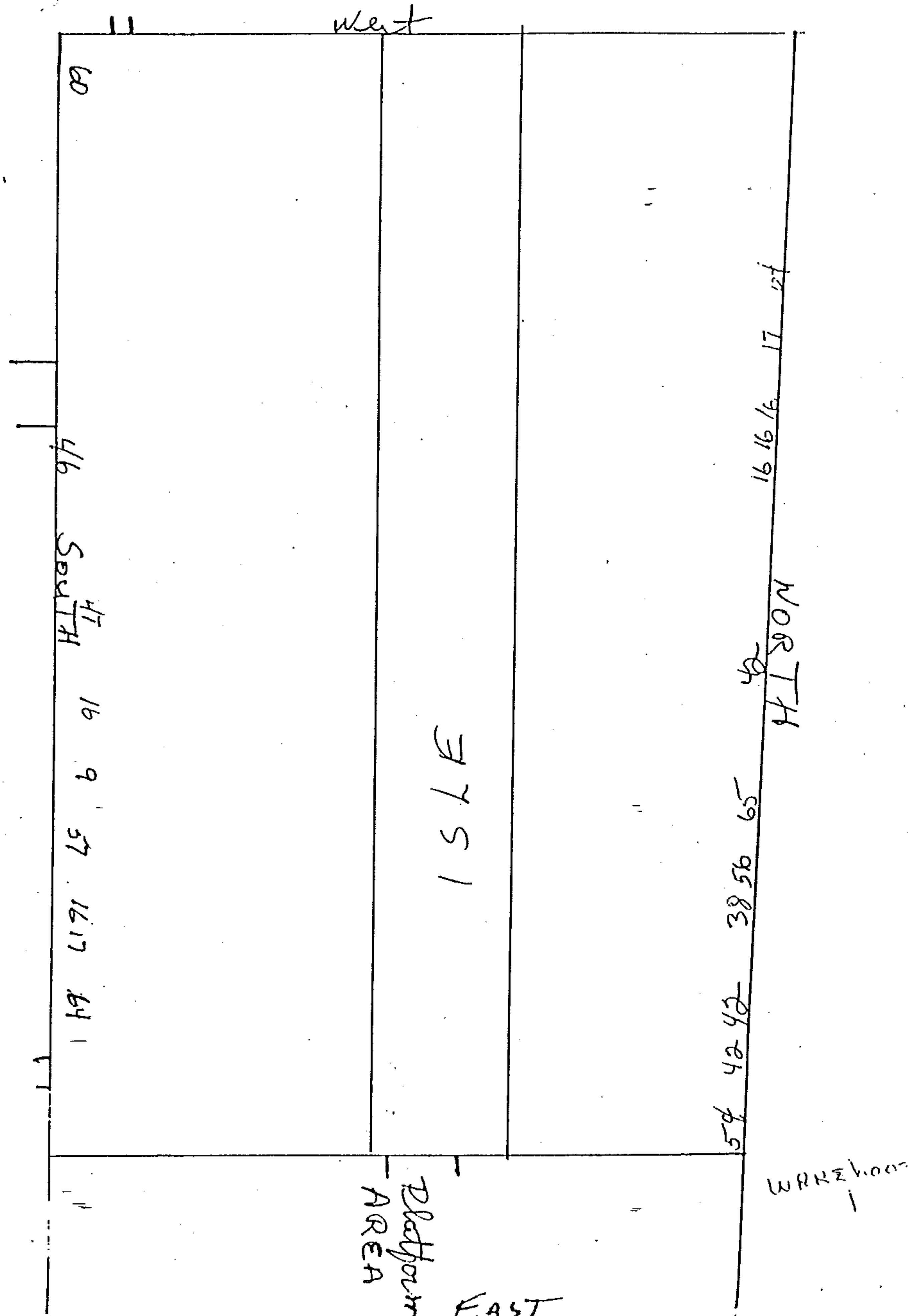
TANK FARM

TANK NO.	PRODUCT	EACH TANK HAS A CAPACITY OF 10,000 GALLO
1	ISOPROPANOL	FLAMMABLE LIQUID
2	METHANOL	FLAMMABLE LIQUID
3	METHYL ETHYL KETONE	FLAMMABLE LIQUID
4	EMPTY	
5	ACETONE	FLAMMABLE LIQUID
6	XYLOL	FLAMMABLE LIQUID
7	DIOCTYL PHTHALATE	NON-HAZARDOUS
8	XYLOL	FLAMMABLE LIQUID
9	ANTI-FREEZE	NON-HAZARDOUS
10	TOLUOL	FLAMMABLE LIQUID

NOTE: Tanks 1, 2, 3, 5, 8, and 10 are or will be at least 50% full.

Outside IN YARD

MATTHIEU CORP
Warehouse 1



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CTP000019584	Manifest Document No. 90065	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
PURSUANT TO ER CGS22A-451 GENERATOR IS
PORTLAND CHEMICAL WORKS, 680 Newfield St
MIDDLETOWN, CT 06457

4. Generator's Phone (860 344-3481

A. State Manifest Document Number CT F0990065

B. G.S.I. (Gen. Site Address) 680 NEWFIELD ST MIDDLETOWN, CT 06457

5. Transporter 1 Company Name: Environmental Services, Inc.
6. US EPA ID Number: CT0018811002

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #) CT-12 A
D. Tran. Phone ( ) 860 528-9500
E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
SAFETY-KLEEN (N.E.), INC.
300 CANAL ST
LAWRENCE, MA 01840

10. US EPA ID Number: MAD000604447

G. State Facility's ID (Not Required)
H. Facility's Phone (978)683-1002

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ,Waste corrosive liquid,acidic, organic,n.o.s.(Chromic Acid, Toluene), 8, UN3265, PGII (F005) (D002),(D007), (D004), (D008), (F002)	0.0.7	D.F	00350 (m)	G	EPA D002 D007 STATE NONE
b. HAZARDOUS WASTE, SOLID, N.O.S. (ARSENIC, LEAD), 9, NA3077, PGIII (D004) (D008)	0.1.0	D.F	0.1.1.0.0	P	EPA D004 D008 STATE NONE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. a) 2321774
b. b) 2321857
c.
d.

K. Handling Codes for Wastes Listed Above
a. Interim Final
b.
c. Interim Final
d.

15. Special Handling Instructions and Additional Information
24 Hour Emergency Contact 978)683-1002//ESI PROJECT# 2001-0078
a) ERG # 153
b) ERG # 171

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name | Signature | Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael W Jones | Signature: [signature] | Month Day Year 0.1 2.9 0.1

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

COPY 6: GENERATOR MAILS TO DESTINATION STATE

CT F 0990065

IN CASE OF EMERGENCY OR SPILL CONTACT CT DEP OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039.

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CTP000019684 Manifest Document No. 31-69
2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
City of Middletown
245 deKoven Dr Middletown CT 06457

4. Generator's Phone (860) 344-3481

A. State Manifest Document Number **CT F 0713662**

B. G.S.I. (Gen. Site Address) 680 Newfield St Middletown CT

5. Transporter 1 Company Name: Environmental Services, Inc.
6. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #) CT 3A

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (860) 528-9500

9. Designated Facility Name and Site Address
UNITED OIL RECOVERY INC
136 GRACEY AVE
MERIDEN, CT 06451-2270

10. US EPA ID Number

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone (203)238-6754

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Hazardous Waste Liquid, N.O.S, 9, NA-3082, PG III (D002)(D007, D039 F001)	001	TT	[illegible]	G	EPA D002 / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. b. c. d.

K. Handling Codes for Wastes Listed Above
Interim / Final: a. b. c. d.

15. Special Handling Instructions and Additional Information
24 HR CONTACT (203)238-6754 ESI PROJECT# 2001-0078
11a) ERG#171

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name | Signature | Month Day Year 10 11 20 01

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Gary Smith | Signature | Month Day Year 10 11 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

COPY 8: GENERATOR RETAINS

CT F 0713662

FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 566-3338 FOR SPILLS OUTSIDE CONNECTICUT, CALL THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802